

**APPENDIX A31**

**MODEL SUMMARY FOR REGRESSION OF PEEL FORCE ON BURST PRESSURE BY PACKAGE AND ADHESIVE**

**Table A31-1. Parameter coefficients and model fit statistics for regression of peak force at burst location on burst pressure by adhesive and package**

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS1	M5	M5-1	PeakForce_at_BurstLoc		0.25	3.97		0.98	0.98	0.98	2	-4.47	0.73	5.86	1.57	0.00	0.00	TRUE
Amcor	PS1	M5	M5-2	PeakForce_at_BurstLoc	-0.04	0.25	3.99		0.60	0.49	0.18	3	-2.47	0.78	8.88	4.59	0.11	0.00	
Amcor	PS1	M1	M1-1	PeakForce_at_BurstLoc	2.91			0.34	0.48	0.41	0.19	2	-1.69	0.84	8.83	3.17	0.07	0.00	TRUE
Amcor	PS1	M5	M5-3	PeakForce_at_BurstLoc	3.41		3.00		0.25	0.16	-0.34	2	1.88	1.01	14.55	6.46	0.09	0.00	
Amcor	PS1	M5	M5-4	PeakForce_at_BurstLoc	2.92	0.18			0.19	0.09	-1.56	2	2.73	1.05	27.79	18.98	0.10	0.00	
Amcor	PS1	M5	M5-5	PeakForce_at_BurstLoc		0.41			0.95	0.95	0.93	1	4.40	1.19	17.93	5.22	0.01	0.00	
Amcor	PS1	M1	M1-2	PeakForce_at_BurstLoc				0.78	0.94	0.94	0.93	1	5.88	1.28	18.70	3.97	0.01	0.00	
Amcor	PS2	M1	M1-1	PeakForce_at_BurstLoc				1.57	0.99	0.99	0.99	1	-9.91	0.58	3.65	0.61	0.00	0.00	TRUE
Amcor	PS2	M1	M1-2	PeakForce_at_BurstLoc	0.76			1.34	0.59	0.54	0.38	2	-8.32	0.60	4.49	1.58	0.05	0.00	
Amcor	PS2	M5	M5-1	PeakForce_at_BurstLoc	4.40	0.08			0.19	0.09	-0.26	2	-1.45	0.85	9.08	3.28	0.10	0.00	
Amcor	PS2	M5	M5-2	PeakForce_at_BurstLoc	5.82		-1.43		0.11	0.00	-0.53	2	-0.44	0.90	11.04	4.63	0.11	0.00	
Amcor	PS2	M5	M5-3	PeakForce_at_BurstLoc		0.31	5.20		0.98	0.97	0.96	2	0.17	0.92	11.64	4.83	0.01	0.00	TRUE
Amcor	PS2	M5	M5-4	PeakForce_at_BurstLoc	3.26	0.14	1.41		0.22	-0.01	-0.84	3	0.29	0.90	13.22	7.57	0.22	0.00	
Amcor	PS2	M5	M5-5	PeakForce_at_BurstLoc		0.46			0.86	0.84	0.84	1	15.71	2.09	44.87	5.46	0.02	0.00	
Amcor	PS3	M5	M5-1	PeakForce_at_BurstLoc		0.53	1.11		0.98	0.98	0.97	2	-6.17	0.77	11.55	3.94	0.00	0.00	TRUE
Amcor	PS3	M5	M5-2	PeakForce_at_BurstLoc	0.92	0.48			0.84	0.82	0.74	2	-5.04	0.79	13.06	4.85	0.01	0.00	
Amcor	PS3	M5	M5-3	PeakForce_at_BurstLoc	-0.29	0.55	1.40		0.85	0.82	0.73	3	-4.23	0.79	13.70	6.12	0.03	0.00	
Amcor	PS3	M5	M5-4	PeakForce_at_BurstLoc		0.59			0.97	0.97	0.96	1	-3.41	0.86	12.82	2.36	0.00	0.00	
Amcor	PS3	M5	M5-5	PeakForce_at_BurstLoc	7.04		-5.03		0.38	0.33	0.20	2	14.84	1.54	40.07	9.17	0.05	0.00	
Amcor	PS3	M1	M1-1	PeakForce_at_BurstLoc	2.15			0.76	0.27	0.21	-0.03	2	17.40	1.68	51.48	14.82	0.06	0.00	
Amcor	PS3	M1	M1-2	PeakForce_at_BurstLoc				1.35	0.87	0.86	0.86	1	18.84	1.81	51.70	5.62	0.01	0.00	TRUE
Amcor	PS4	M1	M1-1	PeakForce_at_BurstLoc	4.54			0.57	0.15	0.04	-0.25	2	-0.04	0.91	9.75	3.07	0.11	0.00	
Amcor	PS4	M5	M5-1	PeakForce_at_BurstLoc	5.11		0.92		0.04	-0.08	-0.59	2	1.13	0.97	12.43	4.93	0.12	0.00	
Amcor	PS4	M5	M5-2	PeakForce_at_BurstLoc	5.49	0.00			0.00	-0.12	-0.49	2	1.55	0.99	11.66	3.83	0.12	0.00	
Amcor	PS4	M5	M5-3	PeakForce_at_BurstLoc	4.19	0.16	1.48		0.07	-0.20	-0.78	3	2.86	1.02	13.89	6.59	0.27	0.00	
Amcor	PS4	M5	M5-4	PeakForce_at_BurstLoc		0.79	4.73		0.96	0.96	0.95	2	4.96	1.17	16.58	5.57	0.01	0.00	TRUE

Table A31-1 Continued

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS4	M5	M5-5	PeakForce_at_BurstLoc		1.20			0.91	0.90	0.88	1	12.17	1.75	36.16	8.50	0.01	0.00	
Amcor	PS4	M1	M1-2	PeakForce_at_BurstLoc				2.96	0.90	0.89	0.88	1	12.93	1.82	35.95	6.13	0.01	0.00	TRUE
Amcor	PS5	M5	M5-1	PeakForce_at_BurstLoc	-3.84	0.64	5.09		0.73	0.69	0.48	3	-5.68	0.76	13.34	6.45	0.04	0.00	TRUE
Amcor	PS5	M5	M5-2	PeakForce_at_BurstLoc		0.37	1.79		0.96	0.95	0.95	2	-1.83	0.88	12.62	2.46	0.01	0.00	
Amcor	PS5	M5	M5-3	PeakForce_at_BurstLoc	1.30	0.32			0.47	0.43	0.32	2	2.60	1.03	17.59	3.92	0.04	0.00	
Amcor	PS5	M5	M5-4	PeakForce_at_BurstLoc		0.46			0.93	0.93	0.92	1	3.41	1.08	19.15	2.67	0.00	0.00	
Amcor	PS5	M1	M1-1	PeakForce_at_BurstLoc	1.86			0.57	0.19	0.13	-0.07	2	9.02	1.27	27.60	6.64	0.06	0.00	
Amcor	PS5	M1	M1-2	PeakForce_at_BurstLoc				1.06	0.90	0.89	0.89	1	9.59	1.33	28.23	3.34	0.01	0.00	TRUE
Amcor	PS5	M5	M5-5	PeakForce_at_BurstLoc	4.58		1.47		0.06	-0.01	-0.17	2	11.17	1.36	30.28	6.08	0.07	0.00	
Amcor	PS6	M5	M5-1	PeakForce_at_BurstLoc		0.53	2.73		0.94	0.93	0.93	2	8.25	1.24	24.86	4.95	0.01	0.00	TRUE
Amcor	PS6	M5	M5-2	PeakForce_at_BurstLoc	-2.07	0.73	4.25		0.51	0.43	0.28	3	8.82	1.23	26.63	8.52	0.08	0.00	
Amcor	PS6	M5	M5-3	PeakForce_at_BurstLoc		0.77			0.92	0.91	0.91	1	11.44	1.42	31.37	3.22	0.01	0.00	
Amcor	PS6	M5	M5-4	PeakForce_at_BurstLoc	1.31	0.55			0.29	0.23	0.11	2	12.48	1.43	32.88	6.48	0.05	0.00	
Amcor	PS6	M1	M1-1	PeakForce_at_BurstLoc	2.29			0.71	0.25	0.19	0.02	2	13.31	1.46	36.42	8.53	0.06	0.00	TRUE
Amcor	PS6	M1	M1-2	PeakForce_at_BurstLoc				1.38	0.89	0.88	0.87	1	15.60	1.63	43.62	6.47	0.01	0.00	
Amcor	PS6	M5	M5-5	PeakForce_at_BurstLoc	3.26		2.13		0.06	-0.01	-0.27	2	16.56	1.63	46.88	12.24	0.07	0.00	
Amcor	PS7	M5	M5-1	PeakForce_at_BurstLoc	5.73	0.30			0.11	0.00	-0.71	2	1.88	1.01	15.60	7.51	0.11	0.00	
Amcor	PS7	M1	M1-1	PeakForce_at_BurstLoc	5.57			0.76	0.05	-0.07	-0.76	2	2.53	1.04	15.99	7.35	0.12	0.00	
Amcor	PS7	M5	M5-2	PeakForce_at_BurstLoc		1.35	5.40		0.98	0.97	0.96	2	2.58	1.04	18.68	10.00	0.01	0.00	TRUE
Amcor	PS7	M5	M5-3	PeakForce_at_BurstLoc	6.88		0.68		0.02	-0.10	-0.48	2	2.82	1.05	13.49	4.60	0.12	0.00	
Amcor	PS7	M5	M5-4	PeakForce_at_BurstLoc	3.37	0.71	2.32		0.18	-0.05	-2.09	3	3.05	1.03	28.18	20.73	0.23	0.00	
Amcor	PS7	M1	M1-2	PeakForce_at_BurstLoc				5.06	0.94	0.94	0.93	1	10.99	1.65	29.13	4.57	0.01	0.00	TRUE
Amcor	PS7	M5	M5-5	PeakForce_at_BurstLoc		2.19			0.87	0.86	0.82	1	18.99	2.46	76.25	21.58	0.01	0.00	

Table A31-1 Continued

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS8	M5	M5-1	PeakForce_at_BurstLoc		2.43			0.92	0.92	0.92	1	8.53	1.29	25.97	2.79	0.01	0.00	TRUE
Amcor	PS8	M5	M5-2	PeakForce_at_BurstLoc	-2.12	2.80	2.58		0.68	0.62	0.49	3	9.54	1.26	30.14	11.15	0.05	0.00	
Amcor	PS8	M5	M5-3	PeakForce_at_BurstLoc		2.19	0.84		0.93	0.92	0.91	2	9.91	1.31	27.56	5.32	0.01	0.00	
Amcor	PS8	M5	M5-4	PeakForce_at_BurstLoc	-0.38	2.63			0.61	0.58	0.45	2	10.37	1.33	32.71	9.78	0.03	0.00	
Amcor	PS8	M1	M1-1	PeakForce_at_BurstLoc	1.67			2.57	0.33	0.28	0.14	2	18.43	1.74	50.47	11.21	0.05	0.00	TRUE
Amcor	PS8	M1	M1-2	PeakForce_at_BurstLoc				4.03	0.85	0.84	0.82	1	19.16	1.83	54.25	7.16	0.01	0.00	
Amcor	PS8	M5	M5-5	PeakForce_at_BurstLoc	3.47		1.06		0.01	-0.06	-0.41	2	24.37	2.12	82.99	24.66	0.08	0.00	
Amcor	PS9	M5	M5-1	PeakForce_at_BurstLoc	5.29		0.27		0.01	-0.14	-0.88	2	-3.73	0.74	7.23	3.41	0.14	0.00	
Amcor	PS9	M1	M1-1	PeakForce_at_BurstLoc	5.32			0.05	0.01	-0.14	-0.83	2	-3.72	0.74	7.03	3.21	0.14	0.00	
Amcor	PS9	M5	M5-2	PeakForce_at_BurstLoc	5.50	-0.02			0.00	-0.14	-5.09	2	-3.69	0.74	23.36	19.53	0.14	0.00	
Amcor	PS9	M5	M5-3	PeakForce_at_BurstLoc	5.36	-0.02	0.25		0.01	-0.32	-7.83	3	-1.74	0.80	33.88	30.08	0.33	0.00	
Amcor	PS9	M5	M5-4	PeakForce_at_BurstLoc		0.75	4.66		0.93	0.91	0.86	2	10.27	1.61	38.63	20.57	0.02	0.00	TRUE
Amcor	PS9	M5	M5-5	PeakForce_at_BurstLoc		1.20			0.88	0.87	0.88	1	13.26	1.98	32.47	1.01	0.01	0.00	
Amcor	PS9	M1	M1-2	PeakForce_at_BurstLoc				2.35	0.75	0.72	0.71	1	19.96	2.88	76.47	10.25	0.03	0.00	TRUE
Perfecseal	PS8	M5	M5-1	PeakForce_at_BurstLoc		2.72			0.92	0.92	0.91	1	14.36	1.56	38.29	4.10	0.01	0.00	TRUE
Perfecseal	PS8	M5	M5-2	PeakForce_at_BurstLoc	-0.80	3.11			0.71	0.68	0.59	2	15.72	1.59	45.58	12.81	0.02	0.00	
Perfecseal	PS8	M5	M5-3	PeakForce_at_BurstLoc		2.88	0.56		0.92	0.91	0.90	2	16.15	1.61	46.26	12.53	0.01	0.00	
Perfecseal	PS8	M5	M5-4	PeakForce_at_BurstLoc	-1.08	3.12	0.45		0.71	0.66	0.49	3	17.67	1.65	57.17	24.53	0.05	0.00	
Perfecseal	PS8	M1	M1-1	PeakForce_at_BurstLoc	2.09			2.65	0.26	0.21	-0.05	2	29.44	2.51	116.89	35.13	0.06	0.00	
Perfecseal	PS8	M1	M1-2	PeakForce_at_BurstLoc				4.31	0.78	0.77	0.73	1	29.92	2.62	118.66	22.20	0.02	0.00	TRUE
Perfecseal	PS8	M5	M5-5	PeakForce_at_BurstLoc	5.10		0.74		0.00	-0.07	-0.39	2	34.00	2.92	154.79	43.98	0.08	0.00	

**Table A31-2. ANOVA statistics for regression of peak force at burst location on burst pressure by adhesive and package**

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS1	M5	M5-1	10	2	8	10	0.54	4.29	254.97	259.25	237.87	0.00			5.36	0.00	3.96	0.00		
Amcor	PS1	M5	M5-2	10	2	7	9	0.61	4.29	6.56	10.85	5.36	0.04	-0.03	0.98	2.49	0.04	2.72	0.03		
Amcor	PS1	M1	M1-1	10	1	8	9	0.71	5.66	5.19	10.85	7.33	0.03	3.58	0.01					2.71	0.03
Amcor	PS1	M5	M5-3	10	2	8	9	1.01	8.09	6.56	10.85	5.36	0.04	-0.03	0.98	2.49	0.04	2.72	0.03		
Amcor	PS1	M5	M5-4	10	2	8	9	1.10	8.81	6.56	10.85	5.36	0.04	-0.03	0.98	2.49	0.04	2.72	0.03		
Amcor	PS1	M5	M5-5	10	2	9	10	1.41	12.71	254.97	259.25	237.87	0.00			5.36	0.00	3.96	0.00		
Amcor	PS1	M1	M1-2	10	1	9	10	1.64	14.74	244.51	259.25	149.31	0.00							12.22	0.00
Amcor	PS2	M1	M1-1	10	1	9	10	0.34	3.04	276.22	279.26	818.11	0.00							28.60	0.00
Amcor	PS2	M1	M1-2	10	1	8	9	0.36	2.92	4.28	7.19	11.73	0.01	0.58	0.58					3.42	0.01
Amcor	PS2	M5	M5-1	10	2	8	9	0.72	5.80	1.55	7.19	0.96	0.43	1.20	0.27	0.98	0.36	0.43	0.68		
Amcor	PS2	M5	M5-2	10	2	8	9	0.80	6.41	1.55	7.19	0.96	0.43	1.20	0.27	0.98	0.36	0.43	0.68		
Amcor	PS2	M5	M5-3	10	2	8	10	0.85	6.82	272.44	279.26	159.87	0.00			8.30	0.00	6.18	0.00		
Amcor	PS2	M5	M5-4	10	2	7	9	0.81	5.65	1.55	7.19	0.96	0.43	1.20	0.27	0.98	0.36	0.43	0.68		
Amcor	PS2	M5	M5-5	10	2	9	10	4.38	39.41	272.44	279.26	159.87	0.00			8.30	0.00	6.18	0.00		
Amcor	PS3	M5	M5-1	15	2	13	15	0.59	7.61	349.09	356.70	298.05	0.00			15.85	0.00	2.20	0.05		
Amcor	PS3	M5	M5-2	15	2	13	14	0.63	8.21	42.30	49.88	33.47	0.00	-0.22	0.83	6.08	0.00	1.00	0.34		
Amcor	PS3	M5	M5-3	15	2	12	14	0.63	7.58	42.30	49.88	33.47	0.00	-0.22	0.83	6.08	0.00	1.00	0.34		
Amcor	PS3	M5	M5-4	15	2	14	15	0.75	10.46	349.09	356.70	298.05	0.00			15.85	0.00	2.20	0.05		
Amcor	PS3	M5	M5-5	15	2	13	14	2.38	30.91	42.30	49.88	33.47	0.00	-0.22	0.83	6.08	0.00	1.00	0.34		
Amcor	PS3	M1	M1-1	15	1	13	14	2.82	36.66	13.22	49.88	4.69	0.05	1.83	0.09					2.17	0.05
Amcor	PS3	M1	M1-2	15	1	14	15	3.29	46.08	310.62	356.70	94.37	0.00							9.71	0.00
Amcor	PS4	M1	M1-1	10	1	8	9	0.83	6.67	1.15	7.83	1.38	0.27	5.27	0.00					1.18	0.27
Amcor	PS4	M5	M5-1	10	2	8	9	0.94	7.50	0.52	7.83	0.25	0.79	1.88	0.10	0.44	0.67	0.71	0.50		
Amcor	PS4	M5	M5-2	10	2	8	9	0.98	7.83	0.52	7.83	0.25	0.79	1.88	0.10	0.44	0.67	0.71	0.50		
Amcor	PS4	M5	M5-3	10	2	7	9	1.04	7.30	0.52	7.83	0.25	0.79	1.88	0.10	0.44	0.67	0.71	0.50		
Amcor	PS4	M5	M5-4	10	2	8	10	1.38	11.01	299.04	310.05	108.67	0.00			5.52	0.00	3.48	0.01		

Table A31-2 Continued

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS4	M5	M5-5	10	2	9	10	3.07	27.66	299.04	310.05	108.67	0.00			5.52	0.00	3.48	0.01		
Amcor	PS4	M1	M1-2	10	1	9	10	3.31	29.83	280.22	310.05	84.55	0.00							9.20	0.00
Amcor	PS5	M5	M5-1	15	2	12	14	0.57	6.89	18.94	25.82	16.50	0.00	-2.39	0.03	5.49	0.00	3.44	0.00		
Amcor	PS5	M5	M5-2	15	2	13	15	0.78	10.17	236.92	247.08	151.47	0.00			9.21	0.00	2.84	0.01		
Amcor	PS5	M5	M5-3	15	2	13	14	1.05	13.66	18.94	25.82	16.50	0.00	-2.39	0.03	5.49	0.00	3.44	0.00		
Amcor	PS5	M5	M5-4	15	2	14	15	1.18	16.48	236.92	247.08	151.47	0.00			9.21	0.00	2.84	0.01		
Amcor	PS5	M1	M1-1	15	1	13	14	1.61	20.96	4.86	25.82	3.01	0.11	1.56	0.14					1.74	0.11
Amcor	PS5	M1	M1-2	15	1	14	15	1.78	24.88	222.20	247.08	125.01	0.00							11.18	0.00
Amcor	PS5	M5	M5-5	15	2	13	14	1.86	24.20	18.94	25.82	16.50	0.00	-2.39	0.03	5.49	0.00	3.44	0.00		
Amcor	PS6	M5	M5-1	15	2	13	15	1.53	19.91	312.28	332.20	101.93	0.00			4.52	0.00	2.32	0.04		
Amcor	PS6	M5	M5-2	15	2	12	14	1.51	18.11	18.92	37.02	6.27	0.01	-1.09	0.30	3.31	0.01	2.34	0.04		
Amcor	PS6	M5	M5-3	15	2	14	15	2.01	28.15	312.28	332.20	101.93	0.00			4.52	0.00	2.32	0.04		
Amcor	PS6	M5	M5-4	15	2	13	14	2.03	26.40	18.92	37.02	6.27	0.01	-1.09	0.30	3.31	0.01	2.34	0.04		
Amcor	PS6	M1	M1-1	15	1	13	14	2.15	27.89	9.13	37.02	4.25	0.06	2.08	0.06					2.06	0.06
Amcor	PS6	M1	M1-2	15	1	14	15	2.65	37.15	295.05	332.20	111.19	0.00							10.54	0.00
Amcor	PS6	M5	M5-5	15	2	13	14	2.66	34.64	18.92	37.02	6.27	0.01	-1.09	0.30	3.31	0.01	2.34	0.04		
Amcor	PS7	M5	M5-1	10	2	8	9	1.01	8.09	1.66	9.11	0.78	0.49	1.08	0.32	1.17	0.28	0.78	0.46		
Amcor	PS7	M1	M1-1	10	1	8	9	1.08	8.64	0.47	9.11	0.44	0.53	3.84	0.00					0.66	0.53
Amcor	PS7	M5	M5-2	10	2	8	10	1.08	8.68	424.10	432.78	195.51	0.00			7.71	0.00	6.51	0.00		
Amcor	PS7	M5	M5-3	10	2	8	9	1.11	8.89	1.66	9.11	0.78	0.49	1.08	0.32	1.17	0.28	0.78	0.46		
Amcor	PS7	M5	M5-4	10	2	7	9	1.06	7.45	1.66	9.11	0.78	0.49	1.08	0.32	1.17	0.28	0.78	0.46		
Amcor	PS7	M1	M1-2	10	1	9	10	2.73	24.56	408.22	432.78	149.58	0.00							12.23	0.00
Amcor	PS7	M5	M5-5	10	2	9	10	6.08	54.68	424.10	432.78	195.51	0.00			7.71	0.00	6.51	0.00		

Table A31-2 Continued

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS8	M5	M5-1	15	2	14	15	1.66	23.18	285.41	307.66	83.39	0.00			5.76	0.00	0.74	0.47		
Amcor	PS8	M5	M5-2	15	2	12	14	1.58	18.99	40.03	59.02	12.65	0.00	-1.43	0.18	4.99	0.00	1.58	0.14		
Amcor	PS8	M5	M5-3	15	2	13	15	1.71	22.25	285.41	307.66	83.39	0.00			5.76	0.00	0.74	0.47		
Amcor	PS8	M5	M5-4	15	2	13	14	1.76	22.94	40.03	59.02	12.65	0.00	-1.43	0.18	4.99	0.00	1.58	0.14		
Amcor	PS8	M1	M1-1	15	1	13	14	3.02	39.26	19.76	59.02	6.54	0.02	1.61	0.13					2.56	0.02
Amcor	PS8	M1	M1-2	15	1	14	15	3.36	47.09	260.57	307.66	77.47	0.00							8.80	0.00
Amcor	PS8	M5	M5-5	15	2	13	14	4.49	58.33	40.03	59.02	12.65	0.00	-1.43	0.18	4.99	0.00	1.58	0.14		
Amcor	PS9	M5	M5-1	9	2	7	8	0.54	3.81	0.03	3.84	0.02	0.98	4.74	0.00	-0.08	0.94	0.18	0.86		
Amcor	PS9	M1	M1-1	9	1	7	8	0.55	3.82	0.02	3.84	0.04	0.85	10.70	0.00					0.19	0.85
Amcor	PS9	M5	M5-2	9	2	7	8	0.55	3.83	0.03	3.84	0.02	0.98	4.74	0.00	-0.08	0.94	0.18	0.86		
Amcor	PS9	M5	M5-3	9	2	6	8	0.63	3.81	0.03	3.84	0.02	0.98	4.74	0.00	-0.08	0.94	0.18	0.86		
Amcor	PS9	M5	M5-4	9	2	7	9	2.58	18.06	248.87	266.93	48.23	0.00			3.23	0.01	2.28	0.06		
Amcor	PS9	M5	M5-5	9	2	8	9	3.93	31.46	248.87	266.93	48.23	0.00			3.23	0.01	2.28	0.06		
Amcor	PS9	M1	M1-2	9	1	8	9	8.28	66.23	200.70	266.93	24.24	0.00							4.92	0.00
Perfecseal	PS8	M5	M5-1	15	2	14	15	2.44	34.19	406.89	440.62	78.41	0.00			6.85	0.00	-0.42	0.68		
Perfecseal	PS8	M5	M5-2	15	2	13	14	2.52	32.77	78.50	111.14	14.43	0.00	-0.63	0.54	5.36	0.00	0.21	0.83		
Perfecseal	PS8	M5	M5-3	15	2	13	15	2.59	33.73	406.89	440.62	78.41	0.00			6.85	0.00	-0.42	0.68		
Perfecseal	PS8	M5	M5-4	15	2	12	14	2.72	32.65	78.50	111.14	14.43	0.00	-0.63	0.54	5.36	0.00	0.21	0.83		
Perfecseal	PS8	M1	M1-1	15	1	13	14	6.29	81.76	29.38	111.14	4.67	0.05	1.53	0.15					2.16	0.05
Perfecseal	PS8	M1	M1-2	15	1	14	15	6.89	96.46	344.16	440.62	49.95	0.00							7.07	0.00
Perfecseal	PS8	M5	M5-5	15	2	13	14	8.52	110.81	78.50	111.14	14.43	0.00	-0.63	0.54	5.36	0.00	0.21	0.83		

**Table A31-3. Parameter coefficients and model fit statistics for regression of average force at burst location on burst pressure by adhesive and package**

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS1	M6	M6-1	AvgForce_at_BurstLoc		0.20	2.79		0.97	0.97	0.96	2	-4.86	0.72	6.71	2.59	0.01	0.00	TRUE
Amcor	PS1	M6	M6-2	AvgForce_at_BurstLoc	-0.28	0.22	2.97		0.51	0.36	-0.77	3	-2.91	0.77	14.67	10.57	0.14	0.00	
Amcor	PS1	M2	M2-1	AvgForce_at_BurstLoc	2.16			0.27	0.39	0.31	-0.10	2	-2.79	0.80	9.15	4.08	0.08	0.00	
Amcor	PS1	M6	M6-3	AvgForce_at_BurstLoc	1.92	0.16			0.21	0.11	-1.85	2	-0.16	0.91	23.65	17.05	0.10	0.00	
Amcor	PS1	M6	M6-4	AvgForce_at_BurstLoc		0.32			0.95	0.94	0.92	1	0.11	0.96	11.53	3.25	0.01	0.00	
Amcor	PS1	M6	M6-5	AvgForce_at_BurstLoc	2.70		2.11		0.16	0.06	-0.59	2	0.34	0.93	13.21	6.27	0.10	0.00	
Amcor	PS1	M2	M2-2	AvgForce_at_BurstLoc				0.59	0.93	0.93	0.92	1	2.10	1.06	13.00	2.90	0.01	0.00	TRUE
Amcor	PS2	M2	M2-1	AvgForce_at_BurstLoc				1.33	0.98	0.98	0.98	1	-6.82	0.68	5.03	0.89	0.00	0.00	TRUE
Amcor	PS2	M2	M2-2	AvgForce_at_BurstLoc	1.18			0.98	0.37	0.30	0.10	2	-5.55	0.69	5.55	1.71	0.08	0.00	
Amcor	PS2	M6	M6-1	AvgForce_at_BurstLoc	4.13	0.03			0.03	-0.09	-0.55	2	-1.20	0.86	9.53	3.58	0.12	0.00	
Amcor	PS2	M6	M6-2	AvgForce_at_BurstLoc	4.69		0.58		0.02	-0.10	-0.69	2	-1.07	0.87	10.40	4.38	0.12	0.00	
Amcor	PS2	M6	M6-3	AvgForce_at_BurstLoc	4.69		0.58		0.02	-0.10	-0.69	2	-1.07	0.87	10.40	4.38	0.12	0.00	
Amcor	PS2	M6	M6-4	AvgForce_at_BurstLoc	3.83	0.05	0.37		0.04	-0.24	-1.15	3	0.78	0.92	13.21	7.28	0.28	0.00	
Amcor	PS2	M6	M6-5	AvgForce_at_BurstLoc		0.24	4.83		0.96	0.95	0.94	2	1.19	0.97	12.82	5.28	0.01	0.00	TRUE
Amcor	PS3	M6	M6-1	AvgForce_at_BurstLoc		0.46	0.73		0.97	0.97	0.95	2	-6.34	0.76	11.33	3.80	0.00	0.00	TRUE
Amcor	PS3	M6	M6-2	AvgForce_at_BurstLoc		0.49			0.97	0.96	0.96	1	-6.09	0.79	10.91	2.16	0.00	0.00	
Amcor	PS3	M6	M6-3	AvgForce_at_BurstLoc	0.61	0.42			0.80	0.79	0.70	2	-5.88	0.77	12.05	4.28	0.02	0.00	
Amcor	PS3	M6	M6-4	AvgForce_at_BurstLoc	-0.14	0.46	0.86		0.81	0.78	0.67	3	-4.35	0.79	13.17	5.64	0.03	0.00	
Amcor	PS3	M6	M6-5	AvgForce_at_BurstLoc	6.03		4.55		0.39	0.35	0.22	2	11.07	1.36	31.02	6.99	0.05	0.00	
Amcor	PS3	M2	M2-1	AvgForce_at_BurstLoc	1.76			0.64	0.24	0.18	-0.05	2	14.46	1.52	41.40	11.27	0.06	0.00	
Amcor	PS3	M2	M2-2	AvgForce_at_BurstLoc				1.12	0.85	0.84	0.84	1	15.30	1.61	40.79	4.39	0.01	0.00	TRUE
Amcor	PS4	M2	M2-1	AvgForce_at_BurstLoc	3.44			0.36	0.08	-0.03	-0.30	2	-2.64	0.80	7.32	2.17	0.11	0.00	
Amcor	PS4	M6	M6-1	AvgForce_at_BurstLoc	3.82		0.54		0.02	-0.10	-0.57	2	-1.98	0.83	8.78	3.28	0.12	0.00	
Amcor	PS4	M6	M6-2	AvgForce_at_BurstLoc	4.35	-0.07			0.01	-0.11	-0.72	2	-1.89	0.83	9.65	4.11	0.12	0.00	



Table A31-3 Continued

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS4	M6	M6-3	AvgForce_at_BurstLoc	3.95	-0.02	0.46		0.02	-0.26	-1.04	3	0.02	0.89	11.44	5.94	0.28	0.00	
Amcor	PS4	M6	M6-4	AvgForce_at_BurstLoc		0.58	3.52		0.95	0.94	0.92	2	2.70	1.05	14.08	5.30	0.01	0.00	TRUE
Amcor	PS4	M6	M6-5	AvgForce_at_BurstLoc		0.88			0.89	0.88	0.86	1	7.87	1.41	24.13	6.15	0.01	0.00	
Amcor	PS4	M2	M2-2	AvgForce_at_BurstLoc				2.17	0.89	0.88	0.87	1	8.13	1.43	22.34	3.89	0.01	0.00	TRUE
Amcor	PS5	M6	M6-1	AvgForce_at_BurstLoc	-3.41	0.52	4.35		0.76	0.72	0.61	3	-14.35	0.57	6.36	2.50	0.04	0.00	TRUE
Amcor	PS5	M6	M6-2	AvgForce_at_BurstLoc		0.29	1.42		0.96	0.95	0.95	2	-8.66	0.70	8.01	1.56	0.01	0.00	
Amcor	PS5	M6	M6-3	AvgForce_at_BurstLoc	0.98	0.25			0.46	0.42	0.31	2	-3.98	0.82	11.33	2.52	0.04	0.00	
Amcor	PS5	M6	M6-4	AvgForce_at_BurstLoc		0.36			0.93	0.93	0.92	1	-3.46	0.86	11.92	1.50	0.00	0.00	
Amcor	PS5	M2	M2-1	AvgForce_at_BurstLoc	1.39			0.45	0.19	0.13	-0.07	2	2.06	1.01	17.51	4.32	0.06	0.00	
Amcor	PS5	M2	M2-2	AvgForce_at_BurstLoc				0.82	0.90	0.89	0.88	1	2.37	1.05	17.59	2.22	0.01	0.00	TRUE
Amcor	PS5	M6	M6-5	AvgForce_at_BurstLoc	3.49		1.03		0.05	-0.02	-0.20	2	4.50	1.09	19.54	4.02	0.07	0.00	
Amcor	PS6	M6	M6-1	AvgForce_at_BurstLoc	-3.38	0.79	4.41		0.60	0.53	0.42	3	5.70	1.11	21.16	6.46	0.07	0.00	TRUE
Amcor	PS6	M6	M6-2	AvgForce_at_BurstLoc		0.45	1.93		0.91	0.90	0.89	2	7.97	1.23	25.74	6.19	0.01	0.00	
Amcor	PS6	M6	M6-3	AvgForce_at_BurstLoc		0.62			0.89	0.89	0.88	1	8.83	1.30	25.99	2.33	0.01	0.00	
Amcor	PS6	M6	M6-4	AvgForce_at_BurstLoc	0.12	0.60			0.35	0.30	0.20	2	10.82	1.35	29.18	5.54	0.05	0.00	
Amcor	PS6	M2	M2-1	AvgForce_at_BurstLoc				1.12	0.87	0.86	0.85	1	12.07	1.45	33.29	3.93	0.01	0.00	TRUE
Amcor	PS6	M2	M2-2	AvgForce_at_BurstLoc	1.30			0.74	0.28	0.22	0.07	2	12.47	1.42	33.96	7.58	0.06	0.00	
Amcor	PS6	M6	M6-5	AvgForce_at_BurstLoc	2.38		2.12		0.06	-0.01	-0.31	2	16.29	1.62	47.80	13.76	0.07	0.00	
Amcor	PS7	M2	M2-1	AvgForce_at_BurstLoc	4.29			0.98	0.12	0.01	-0.51	2	-1.26	0.86	10.11	4.20	0.11	0.00	
Amcor	PS7	M6	M6-1	AvgForce_at_BurstLoc	4.82	0.26			0.11	0.00	-0.70	2	-1.21	0.86	11.41	5.47	0.11	0.00	
Amcor	PS7	M6	M6-2	AvgForce_at_BurstLoc		1.14	4.57		0.98	0.98	0.96	2	-1.14	0.86	13.01	7.03	0.00	0.00	TRUE
Amcor	PS7	M6	M6-3	AvgForce_at_BurstLoc	2.50	0.67	2.29		0.21	-0.02	-1.58	3	-0.33	0.87	17.28	11.97	0.23	0.00	
Amcor	PS7	M6	M6-4	AvgForce_at_BurstLoc	5.79		0.52		0.02	-0.10	-0.49	2	-0.19	0.91	9.97	3.39	0.12	0.00	
Amcor	PS7	M2	M2-2	AvgForce_at_BurstLoc				4.29	0.95	0.94	0.94	1	6.29	1.31	18.02	2.67	0.01	0.00	TRUE
Amcor	PS7	M6	M6-5	AvgForce_at_BurstLoc		1.85			0.87	0.86	0.82	1	15.61	2.08	54.68	15.70	0.01	0.00	

Table A31-3 Continued

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS8	M6	M6-1	AvgForce_at_BurstLoc	-2.23	2.12	2.32		0.72	0.68	0.58	3	-1.61	0.87	13.61	4.58	0.05	0.00	TRUE
Amcor	PS8	M6	M6-2	AvgForce_at_BurstLoc	-2.23	2.12	2.32		0.72	0.68	0.58	3	-1.61	0.87	13.61	4.58	0.05	0.00	
Amcor	PS8	M6	M6-3	AvgForce_at_BurstLoc		1.62			0.91	0.90	0.89	1	-0.21	0.96	14.92	1.97	0.01	0.00	
Amcor	PS8	M6	M6-4	AvgForce_at_BurstLoc	-0.67	1.97			0.62	0.59	0.46	2	0.93	0.97	17.42	5.19	0.03	0.00	
Amcor	PS8	M6	M6-5	AvgForce_at_BurstLoc		1.48	0.49		0.91	0.90	0.89	2	1.42	0.99	15.43	2.80	0.01	0.00	
Amcor	PS8	M2	M2-1	AvgForce_at_BurstLoc				2.71	0.85	0.84	0.82	1	7.20	1.23	24.43	3.21	0.01	0.00	TRUE
Amcor	PS8	M2	M2-2	AvgForce_at_BurstLoc	0.74			2.07	0.39	0.35	0.17	2	8.07	1.23	27.06	7.38	0.05	0.00	
Amcor	PS9	M6	M6-1	AvgForce_at_BurstLoc	4.43	-0.08			0.03	-0.11	-0.61	2	-3.99	0.73	6.11	2.41	0.14	0.00	
Amcor	PS9	M6	M6-2	AvgForce_at_BurstLoc	3.92		0.44		0.02	-0.12	-0.54	2	-3.91	0.73	5.87	2.13	0.14	0.00	
Amcor	PS9	M2	M2-1	AvgForce_at_BurstLoc	4.12			0.00	0.00	-0.14	-0.53	2	-3.74	0.74	5.82	2.01	0.14	0.00	
Amcor	PS9	M6	M6-3	AvgForce_at_BurstLoc	4.24	-0.07	0.35		0.04	-0.28	-1.25	3	-2.09	0.78	8.58	4.92	0.32	0.00	
Amcor	PS9	M6	M6-4	AvgForce_at_BurstLoc		0.54	3.84		0.92	0.90	0.84	2	7.00	1.34	24.73	12.18	0.02	0.00	TRUE
Amcor	PS9	M6	M6-5	AvgForce_at_BurstLoc		0.91			0.86	0.84	0.85	1	9.90	1.64	22.97	1.32	0.02	0.00	
Amcor	PS9	M2	M2-2	AvgForce_at_BurstLoc				1.78	0.74	0.70	0.70	1	15.69	2.27	47.39	6.19	0.03	0.00	TRUE
Perfecseal	PS8	M2	M2-1	AvgForce_at_BurstLoc				2.82	0.81	0.80	0.78	1	14.46	1.57	39.30	4.87	0.01	0.00	TRUE
Perfecseal	PS8	M6	M6-1	AvgForce_at_BurstLoc	-2.77	1.94	3.85		0.58	0.51	0.35	3	14.54	1.49	40.70	14.20	0.07	0.00	TRUE
Perfecseal	PS8	M6	M6-2	AvgForce_at_BurstLoc		1.63			0.80	0.79	0.78	1	15.07	1.60	40.47	4.61	0.01	0.00	
Perfecseal	PS8	M6	M6-3	AvgForce_at_BurstLoc		1.30	1.23		0.82	0.79	0.75	2	16.12	1.61	45.71	12.05	0.03	0.00	
Perfecseal	PS8	M2	M2-2	AvgForce_at_BurstLoc	0.27			2.61	0.45	0.41	0.28	2	16.36	1.62	45.17	10.99	0.04	0.00	
Perfecseal	PS8	M6	M6-4	AvgForce_at_BurstLoc	-0.40	1.83			0.43	0.39	0.30	2	16.92	1.65	43.96	8.47	0.04	0.00	
Perfecseal	PS8	M6	M6-5	AvgForce_at_BurstLoc			4.79		0.68	0.66	0.63	1	22.45	2.05	67.02	8.40	0.02	0.00	

**Table A31-4. ANOVA statistics for regression of average force at burst location on burst pressure by adhesive and package**

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS1	M6	M6-1	10	2	8	10	0.52	4.12	148.84	152.96	144.46	0.00			4.42	0.00	2.84	0.02		
Amcor	PS1	M6	M6-2	10	2	7	9	0.59	4.10	4.20	8.30	3.58	0.08	-0.18	0.86	2.20	0.06	2.06	0.08		
Amcor	PS1	M2	M2-1	10	1	8	9	0.63	5.07	3.23	8.30	5.10	0.05	2.82	0.02					2.26	0.05
Amcor	PS1	M6	M6-3	10	2	8	9	0.82	6.60	4.20	8.30	3.58	0.08	-0.18	0.86	2.20	0.06	2.06	0.08		
Amcor	PS1	M6	M6-4	10	2	9	10	0.92	8.28	148.84	152.96	144.46	0.00			4.42	0.00	2.84	0.02		
Amcor	PS1	M6	M6-5	10	2	8	9	0.87	6.94	4.20	8.30	3.58	0.08	-0.18	0.86	2.20	0.06	2.06	0.08		
Amcor	PS1	M2	M2-2	10	1	9	10	1.12	10.10	142.86	152.96	127.28	0.00							11.28	0.00
Amcor	PS2	M2	M2-1	10	1	9	10	0.46	4.14	199.73	203.87	434.19	0.00							20.84	0.00
Amcor	PS2	M2	M2-2	10	1	8	9	0.48	3.85	2.30	6.15	4.79	0.06	0.78	0.46					2.19	0.06
Amcor	PS2	M6	M6-1	10	2	8	9	0.74	5.94	0.22	6.15	0.13	0.88	1.38	0.21	0.32	0.76	0.11	0.91		
Amcor	PS2	M6	M6-2	10	2	8	9	0.75	6.02	0.22	6.15	0.13	0.88	1.38	0.21	0.32	0.76	0.11	0.91		
Amcor	PS2	M6	M6-3	10	2	8	9	0.75	6.02	0.22	6.15	0.13	0.88	1.38	0.21	0.32	0.76	0.11	0.91		
Amcor	PS2	M6	M6-4	10	2	7	9	0.85	5.93	0.22	6.15	0.13	0.88	1.38	0.21	0.32	0.76	0.11	0.91		
Amcor	PS2	M6	M6-5	10	2	8	10	0.94	7.55	196.32	203.87	104.06	0.00			6.25	0.00	5.45	0.00		
Amcor	PS3	M6	M6-1	15	2	13	15	0.58	7.53	243.40	250.93	210.11	0.00			13.61	0.00	1.45	0.17		
Amcor	PS3	M6	M6-2	15	2	14	15	0.62	8.75	243.40	250.93	210.11	0.00			13.61	0.00	1.45	0.17		
Amcor	PS3	M6	M6-3	15	2	13	14	0.60	7.76	32.00	39.52	25.52	0.00	-0.10	0.92	5.13	0.00	0.62	0.55		
Amcor	PS3	M6	M6-4	15	2	12	14	0.63	7.52	32.00	39.52	25.52	0.00	-0.10	0.92	5.13	0.00	0.62	0.55		
Amcor	PS3	M6	M6-5	15	2	13	14	1.85	24.03	32.00	39.52	25.52	0.00	-0.10	0.92	5.13	0.00	0.62	0.55		
Amcor	PS3	M2	M2-1	15	1	13	14	2.32	30.13	9.39	39.52	4.05	0.07	1.65	0.12					2.01	0.07
Amcor	PS3	M2	M2-2	15	1	14	15	2.60	36.40	214.53	250.93	82.51	0.00							9.08	0.00
Amcor	PS4	M2	M2-1	10	1	8	9	0.64	5.15	0.46	5.61	0.72	0.42	4.55	0.00					0.85	0.42
Amcor	PS4	M6	M6-1	10	2	8	9	0.69	5.50	0.11	5.61	0.07	0.93	2.04	0.08	-0.07	0.95	0.25	0.81		
Amcor	PS4	M6	M6-2	10	2	8	9	0.69	5.55	0.11	5.61	0.07	0.93	2.04	0.08	-0.07	0.95	0.25	0.81		
Amcor	PS4	M6	M6-3	10	2	7	9	0.79	5.50	0.11	5.61	0.07	0.93	2.04	0.08	-0.07	0.95	0.25	0.81		
Amcor	PS4	M6	M6-4	10	2	8	10	1.10	8.78	160.61	169.39	73.18	0.00			4.49	0.00	2.90	0.02		

Table A31-4 Continued

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS4	M6	M6-5	10	2	9	10	2.00	17.98	160.61	169.39	73.18	0.00			4.49	0.00	2.90	0.02		
Amcor	PS4	M2	M2-2	10	1	9	10	2.05	18.45	150.94	169.39	73.62	0.00							8.58	0.00
Amcor	PS5	M6	M6-1	15	2	12	14	0.32	3.86	12.45	16.31	19.33	0.00	-2.83	0.02	6.02	0.00	3.92	0.00		
Amcor	PS5	M6	M6-2	15	2	13	15	0.50	6.45	142.92	149.36	144.07	0.00			8.93	0.00	2.83	0.01		
Amcor	PS5	M6	M6-3	15	2	13	14	0.68	8.81	12.45	16.31	19.33	0.00	-2.83	0.02	6.02	0.00	3.92	0.00		
Amcor	PS5	M6	M6-4	15	2	14	15	0.74	10.42	142.92	149.36	144.07	0.00			8.93	0.00	2.83	0.01		
Amcor	PS5	M2	M2-1	15	1	13	14	1.01	13.18	3.13	16.31	3.08	0.10	1.47	0.17					1.76	0.10
Amcor	PS5	M2	M2-2	15	1	14	15	1.10	15.37	133.99	149.36	122.05	0.00							11.05	0.00
Amcor	PS5	M6	M6-5	15	2	13	14	1.19	15.51	12.45	16.31	19.33	0.00	-2.83	0.02	6.02	0.00	3.92	0.00		
Amcor	PS6	M6	M6-1	15	2	12	14	1.23	14.70	21.69	36.40	8.85	0.00	-1.99	0.07	3.97	0.00	2.70	0.02		
Amcor	PS6	M6	M6-2	15	2	13	15	1.50	19.55	205.52	225.07	68.33	0.00			3.94	0.00	1.65	0.12		
Amcor	PS6	M6	M6-3	15	2	14	15	1.69	23.65	205.52	225.07	68.33	0.00			3.94	0.00	1.65	0.12		
Amcor	PS6	M6	M6-4	15	2	13	14	1.82	23.64	21.69	36.40	8.85	0.00	-1.99	0.07	3.97	0.00	2.70	0.02		
Amcor	PS6	M2	M2-1	15	1	14	15	2.10	29.36	195.71	225.07	93.32	0.00							9.66	0.00
Amcor	PS6	M2	M2-2	15	1	13	14	2.03	26.38	10.02	36.40	4.94	0.04	1.21	0.25					2.22	0.04
Amcor	PS6	M6	M6-5	15	2	13	14	2.62	34.04	21.69	36.40	8.85	0.00	-1.99	0.07	3.97	0.00	2.70	0.02		
Amcor	PS7	M2	M2-1	10	1	8	9	0.74	5.91	0.79	6.70	1.07	0.33	3.57	0.01					1.04	0.33
Amcor	PS7	M6	M6-1	10	2	8	9	0.74	5.94	1.40	6.70	0.92	0.44	0.94	0.38	1.29	0.24	0.91	0.39		
Amcor	PS7	M6	M6-2	10	2	8	10	0.75	5.98	303.38	309.37	202.83	0.00			7.84	0.00	6.64	0.00		
Amcor	PS7	M6	M6-3	10	2	7	9	0.76	5.31	1.40	6.70	0.92	0.44	0.94	0.38	1.29	0.24	0.91	0.39		
Amcor	PS7	M6	M6-4	10	2	8	9	0.82	6.58	1.40	6.70	0.92	0.44	0.94	0.38	1.29	0.24	0.91	0.39		
Amcor	PS7	M2	M2-2	10	1	9	10	1.71	15.35	294.01	309.37	172.36	0.00							13.13	0.00
Amcor	PS7	M6	M6-5	10	2	9	10	4.33	38.99	303.38	309.37	202.83	0.00			7.84	0.00	6.64	0.00		

Table A31-4 Continued

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS8	M6	M6-1	15	2	12	14	0.75	9.03	23.39	32.42	15.54	0.00	-2.19	0.05	5.47	0.00	2.06	0.06		
Amcor	PS8	M6	M6-2	15	2	12	14	0.75	9.03	23.39	32.42	15.54	0.00	-2.19	0.05	5.47	0.00	2.06	0.06		
Amcor	PS8	M6	M6-3	15	2	14	15	0.92	12.95	126.44	139.07	65.08	0.00			5.16	0.00	0.57	0.58		
Amcor	PS8	M6	M6-4	15	2	13	14	0.94	12.23	23.39	32.42	15.54	0.00	-2.19	0.05	5.47	0.00	2.06	0.06		
Amcor	PS8	M6	M6-5	15	2	13	15	0.97	12.63	126.44	139.07	65.08	0.00			5.16	0.00	0.57	0.58		
Amcor	PS8	M2	M2-1	15	1	14	15	1.52	21.21	117.86	139.07	77.79	0.00							8.82	0.00
Amcor	PS8	M2	M2-2	15	1	13	14	1.51	19.68	12.74	32.42	8.42	0.01	1.01	0.33					2.90	0.01
Amcor	PS9	M6	M6-1	9	2	7	8	0.53	3.70	0.14	3.81	0.12	0.89	3.82	0.01	-0.35	0.74	0.26	0.80		
Amcor	PS9	M6	M6-2	9	2	7	8	0.53	3.74	0.14	3.81	0.12	0.89	3.82	0.01	-0.35	0.74	0.26	0.80		
Amcor	PS9	M2	M2-1	9	1	7	8	0.54	3.81	0.00	3.81	0.00	0.99	8.29	0.00					-0.01	0.99
Amcor	PS9	M6	M6-3	9	2	6	8	0.61	3.66	0.14	3.81	0.12	0.89	3.82	0.01	-0.35	0.74	0.26	0.80		
Amcor	PS9	M6	M6-4	9	2	7	9	1.79	12.56	143.65	156.21	40.04	0.00			2.77	0.03	2.25	0.06		
Amcor	PS9	M6	M6-5	9	2	8	9	2.71	21.64	143.65	156.21	40.04	0.00			2.77	0.03	2.25	0.06		
Amcor	PS9	M2	M2-2	9	1	8	9	5.15	41.20	115.01	156.21	22.33	0.00							4.73	0.00
Perfecseal	PS8	M2	M2-1	15	1	14	15	2.46	34.42	147.72	182.15	60.08	0.00							7.75	0.00
Perfecseal	PS8	M6	M6-1	15	2	12	14	2.21	26.50	36.11	62.61	8.18	0.01	-1.80	0.10	3.70	0.00	2.02	0.07		
Perfecseal	PS8	M6	M6-2	15	2	14	15	2.56	35.86	148.49	182.15	28.68	0.00			3.11	0.01	0.92	0.37		
Perfecseal	PS8	M6	M6-3	15	2	13	15	2.59	33.65	148.49	182.15	28.68	0.00			3.11	0.01	0.92	0.37		
Perfecseal	PS8	M2	M2-2	15	1	13	14	2.63	34.18	28.43	62.61	10.81	0.01	0.30	0.77					3.29	0.01
Perfecseal	PS8	M6	M6-4	15	2	13	14	2.73	35.49	36.11	62.61	8.18	0.01	-1.80	0.10	3.70	0.00	2.02	0.07		
Perfecseal	PS8	M6	M6-5	15	2	14	15	4.19	58.63	148.49	182.15	28.68	0.00			3.11	0.01	0.92	0.37		

**Table A31-5. Parameter coefficients and model fit statistics for regression of lowest peak force on burst pressure by adhesive and package**

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS1	M7	M7-1	LowPeakForce		0.18	3.87		0.97	0.96	0.95	2	-2.27	0.82	8.82	3.47	0.01	0.00	TRUE
Amcor	PS1	M7	M7-2	LowPeakForce	-1.82	0.28	5.02		0.68	0.58	0.27	3	-1.89	0.81	10.24	5.70	0.09	0.00	
Amcor	PS1	M3	M3-1	LowPeakForce	1.65			0.41	0.53	0.47	0.09	2	-0.08	0.91	12.85	6.20	0.06	0.00	TRUE
Amcor	PS1	M3	M3-2	LowPeakForce				0.66	0.95	0.94	0.94	1	1.56	1.03	12.00	2.43	0.01	0.00	
Amcor	PS1	M7	M7-3	LowPeakForce	2.09		3.90		0.33	0.25	-0.38	2	3.40	1.08	19.48	10.06	0.08	0.00	
Amcor	PS1	M7	M7-4	LowPeakForce		0.35			0.93	0.92	0.91	1	4.90	1.22	17.27	3.91	0.01	0.00	
Amcor	PS1	M7	M7-5	LowPeakForce			7.48		0.93	0.92	0.92	1	5.20	1.24	15.61	1.85	0.01	0.00	
Amcor	PS2	M3	M3-1	LowPeakForce	2.02			0.77	0.40	0.33	0.05	2	-11.58	0.51	3.34	1.23	0.07	0.00	TRUE
Amcor	PS2	M3	M3-2	LowPeakForce				1.36	0.99	0.98	0.98	1	-10.15	0.57	3.59	0.62	0.00	0.00	
Amcor	PS2	M7	M7-1	LowPeakForce	4.29	0.03			0.05	-0.07	-0.52	2	-6.96	0.65	5.35	2.01	0.12	0.00	
Amcor	PS2	M7	M7-2	LowPeakForce	4.77		0.47		0.02	-0.10	-0.92	2	-6.71	0.65	6.73	3.31	0.12	0.00	
Amcor	PS2	M7	M7-3	LowPeakForce	3.78	0.05	0.63		0.06	-0.21	-1.11	3	-5.05	0.69	7.39	4.08	0.27	0.00	
Amcor	PS2	M7	M7-4	LowPeakForce		0.25	5.03		0.98	0.97	0.96	2	-3.17	0.78	8.63	3.75	0.01	0.00	TRUE
Amcor	PS2	M7	M7-5	LowPeakForce		0.40			0.83	0.82	0.81	1	14.62	1.98	40.61	5.27	0.02	0.00	
Amcor	PS3	M7	M7-1	LowPeakForce		0.48	1.05		0.98	0.97	0.96	2	-7.86	0.72	10.33	3.52	0.00	0.00	TRUE
Amcor	PS3	M7	M7-2	LowPeakForce	0.92	0.43			0.82	0.81	0.71	2	-7.17	0.74	11.39	4.27	0.01	0.00	
Amcor	PS3	M7	M7-3	LowPeakForce	0.05	0.48	1.00		0.83	0.80	0.69	3	-5.86	0.75	12.28	5.48	0.03	0.00	
Amcor	PS3	M7	M7-4	LowPeakForce		0.53			0.97	0.97	0.96	1	-5.07	0.82	11.50	2.14	0.00	0.00	
Amcor	PS3	M7	M7-5	LowPeakForce	6.39		4.56		0.39	0.34	0.20	2	11.22	1.37	31.85	7.57	0.05	0.00	
Amcor	PS3	M3	M3-1	LowPeakForce	2.04			0.66	0.25	0.20	-0.05	2	14.30	1.51	41.78	11.98	0.06	0.00	
Amcor	PS3	M3	M3-2	LowPeakForce				1.22	0.87	0.86	0.85	1	16.05	1.65	42.98	4.71	0.01	0.00	TRUE
Amcor	PS4	M3	M3-1	LowPeakForce	3.65			0.72	0.19	0.09	-0.19	2	1.81	1.00	11.74	3.71	0.10	0.00	
Amcor	PS4	M7	M7-1	LowPeakForce	4.15	0.17			0.04	-0.08	-0.35	2	3.50	1.09	13.32	3.81	0.12	0.00	
Amcor	PS4	M7	M7-2	LowPeakForce	4.58		0.67		0.02	-0.11	-0.61	2	3.70	1.10	15.92	6.22	0.12	0.00	
Amcor	PS4	M7	M7-3	LowPeakForce		0.74	3.87		0.96	0.95	0.94	2	3.71	1.10	13.89	4.17	0.01	0.00	TRUE

Table A31-5 Continued

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS4	M7	M7-4	LowPeakForce	2.37	0.38	2.03		0.14	-0.11	-0.59	3	4.42	1.10	15.65	7.12	0.25	0.00	
Amcor	PS4	M7	M7-5	LowPeakForce		1.07			0.92	0.91	0.89	1	9.33	1.52	26.43	5.61	0.01	0.00	
Amcor	PS4	M3	M3-2	LowPeakForce				2.64	0.91	0.90	0.89	1	10.33	1.60	27.95	4.94	0.01	0.00	TRUE
Amcor	PS5	M7	M7-1	LowPeakForce	-4.29	0.67	5.24		0.70	0.65	0.30	3	-2.09	0.85	20.57	11.82	0.05	0.00	TRUE
Amcor	PS5	M7	M7-2	LowPeakForce		0.37	1.56		0.94	0.94	0.93	2	1.68	0.99	15.75	2.90	0.01	0.00	
Amcor	PS5	M7	M7-3	LowPeakForce		0.45			0.92	0.92	0.91	1	4.41	1.12	20.33	2.72	0.01	0.00	
Amcor	PS5	M7	M7-4	LowPeakForce	1.00	0.33			0.46	0.42	0.26	2	4.91	1.11	21.77	5.83	0.04	0.00	
Amcor	PS5	M3	M3-1	LowPeakForce				1.02	0.88	0.87	0.87	1	11.17	1.41	30.96	3.32	0.01	0.00	TRUE
Amcor	PS5	M3	M3-2	LowPeakForce	1.67			0.58	0.17	0.11	-0.13	2	11.34	1.37	33.33	8.85	0.06	0.00	
Amcor	PS5	M7	M7-5	LowPeakForce	4.49		1.60		0.07	-0.01	-0.15	2	13.14	1.46	33.80	6.21	0.07	0.00	
Amcor	PS6	M7	M7-1	LowPeakForce	-3.65	0.79	5.89		0.67	0.62	0.50	3	3.49	1.03	19.40	6.71	0.05	0.00	TRUE
Amcor	PS6	M7	M7-2	LowPeakForce		0.43	3.22		0.94	0.93	0.92	2	7.00	1.19	23.65	5.32	0.01	0.00	
Amcor	PS6	M3	M3-1	LowPeakForce				1.30	0.91	0.91	0.90	1	9.89	1.35	29.75	4.37	0.01	0.00	TRUE
Amcor	PS6	M3	M3-2	LowPeakForce	1.24			0.94	0.41	0.37	0.16	2	10.19	1.32	32.49	9.82	0.05	0.00	
Amcor	PS6	M7	M7-3	LowPeakForce		0.71			0.90	0.89	0.89	1	12.27	1.46	33.17	3.42	0.01	0.00	
Amcor	PS6	M7	M7-4	LowPeakForce	1.04	0.54			0.26	0.20	0.04	2	13.71	1.48	37.01	8.35	0.06	0.00	
Amcor	PS6	M7	M7-5	LowPeakForce	2.10		3.61		0.18	0.11	-0.17	2	15.31	1.57	45.23	13.34	0.06	0.00	
Amcor	PS7	M3	M3-1	LowPeakForce	3.56			0.94	0.13	0.02	-0.55	2	-3.48	0.77	8.49	3.75	0.11	0.00	
Amcor	PS7	M7	M7-1	LowPeakForce	4.12	0.23			0.11	0.00	-0.80	2	-3.20	0.78	9.81	4.95	0.11	0.00	
Amcor	PS7	M7	M7-2	LowPeakForce		0.98	3.91		0.98	0.97	0.95	2	-3.12	0.78	10.75	5.85	0.01	0.00	TRUE
Amcor	PS7	M7	M7-3	LowPeakForce	4.98		0.47		0.02	-0.10	-0.41	2	-2.25	0.82	7.69	2.33	0.12	0.00	
Amcor	PS7	M7	M7-4	LowPeakForce	2.15	0.58	1.95		0.19	-0.04	-2.01	3	-2.19	0.79	16.40	12.00	0.23	0.00	
Amcor	PS7	M3	M3-2	LowPeakForce				3.69	0.95	0.95	0.94	1	3.17	1.12	13.43	2.19	0.01	0.00	TRUE
Amcor	PS7	M7	M7-5	LowPeakForce		1.59			0.87	0.86	0.82	1	12.66	1.80	41.49	12.45	0.01	0.00	

Table A31-5 Continued

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS8	M7	M7-1	LowPeakForce	-3.24	2.25	3.84		0.77	0.73	0.67	3	-1.90	0.86	12.72	3.86	0.04	0.00	TRUE
Amcor	PS8	M3	M3-1	LowPeakForce				2.89	0.89	0.88	0.88	1	4.08	1.11	18.83	1.59	0.01	0.00	TRUE
Amcor	PS8	M7	M7-2	LowPeakForce		1.66			0.88	0.87	0.86	1	4.98	1.14	20.44	2.15	0.01	0.00	
Amcor	PS8	M7	M7-3	LowPeakForce		1.32	1.18		0.89	0.87	0.87	2	5.37	1.12	19.93	3.49	0.02	0.00	
Amcor	PS8	M3	M3-2	LowPeakForce	0.24			2.68	0.56	0.52	0.45	2	5.94	1.15	21.30	4.23	0.03	0.00	
Amcor	PS8	M7	M7-4	LowPeakForce	-0.65	2.00			0.54	0.51	0.32	2	6.41	1.16	26.30	8.69	0.04	0.00	
Amcor	PS8	M7	M7-5	LowPeakForce			4.60		0.76	0.74	0.73	1	15.53	1.62	41.42	4.45	0.02	0.00	
Amcor	PS9	M7	M7-1	LowPeakForce	5.39	-0.13			0.14	0.02	-8.45	2	-10.57	0.50	19.56	17.78	0.12	0.00	
Amcor	PS9	M3	M3-1	LowPeakForce	5.03			-0.09	0.04	-0.10	-1.03	2	-9.57	0.53	4.19	2.20	0.14	0.00	
Amcor	PS9	M7	M7-2	LowPeakForce	4.84		0.05		0.00	-0.14	-0.94	2	-9.23	0.54	4.01	1.94	0.14	0.00	
Amcor	PS9	M7	M7-3	LowPeakForce	5.46	-0.13	0.12		0.14	-0.15	-11.19	3	-8.59	0.54	25.25	23.47	0.29	0.00	
Amcor	PS9	M7	M7-4	LowPeakForce		0.65	4.37		0.92	0.90	0.83	2	9.49	1.54	36.58	20.03	0.02	0.00	TRUE
Amcor	PS9	M7	M7-5	LowPeakForce		1.07			0.87	0.85	0.87	1	12.32	1.88	28.68	0.34	0.02	0.00	
Amcor	PS9	M3	M3-2	LowPeakForce				2.08	0.73	0.70	0.69	1	18.71	2.68	66.41	8.76	0.03	0.00	TRUE
Perfecseal	PS8	M7	M7-1	LowPeakForce	-4.16	2.45	5.11		0.76	0.72	0.60	3	9.25	1.25	30.80	12.17	0.04	0.00	TRUE
Perfecseal	PS8	M3	M3-1	LowPeakForce				3.15	0.85	0.84	0.83	1	13.39	1.51	36.77	4.72	0.01	0.00	TRUE
Perfecseal	PS8	M3	M3-2	LowPeakForce	-0.19			3.30	0.59	0.55	0.39	2	15.34	1.57	47.18	15.24	0.03	0.00	
Perfecseal	PS8	M7	M7-2	LowPeakForce		1.81			0.83	0.82	0.81	1	15.45	1.62	40.38	3.61	0.01	0.00	
Perfecseal	PS8	M7	M7-3	LowPeakForce	-1.01	2.30			0.55	0.52	0.45	2	16.49	1.63	42.77	8.28	0.03	0.00	
Perfecseal	PS8	M7	M7-4	LowPeakForce		1.49	1.19		0.84	0.81	0.78	2	16.59	1.63	46.45	11.73	0.02	0.00	
Perfecseal	PS8	M7	M7-5	LowPeakForce			5.25		0.69	0.67	0.65	1	24.53	2.19	76.45	9.11	0.02	0.00	



**Table A31-6. ANOVA statistics for regression of lowest peak force on burst pressure by adhesive and package**

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS1	M7	M7-1	10	2	8	10	0.67	5.34	179.55	184.89	134.40	0.00			3.55	0.01	3.47	0.01		
Amcor	PS1	M7	M7-2	10	2	7	9	0.65	4.54	9.53	14.07	7.34	0.02	-1.11	0.30	2.74	0.03	3.32	0.01		
Amcor	PS1	M3	M3-1	10	1	8	9	0.83	6.65	7.43	14.07	8.94	0.02	1.87	0.10					2.99	0.02
Amcor	PS1	M3	M3-2	10	1	9	10	1.06	9.57	175.33	184.89	164.97	0.00							12.84	0.00
Amcor	PS1	M7	M7-3	10	2	8	9	1.18	9.42	9.53	14.07	7.34	0.02	-1.11	0.30	2.74	0.03	3.32	0.01		
Amcor	PS1	M7	M7-4	10	2	9	10	1.48	13.36	179.55	184.89	134.40	0.00			3.55	0.01	3.47	0.01		
Amcor	PS1	M7	M7-5	10	2	9	10	1.53	13.77	179.55	184.89	134.40	0.00			3.55	0.01	3.47	0.01		
Amcor	PS2	M3	M3-1	10	1	8	9	0.26	2.10	1.40	3.51	5.34	0.05	1.81	0.11					2.31	0.05
Amcor	PS2	M3	M3-2	10	1	9	10	0.33	2.97	209.94	212.91	636.99	0.00							25.24	0.00
Amcor	PS2	M7	M7-1	10	2	8	9	0.42	3.34	0.20	3.51	0.21	0.82	1.82	0.11	0.49	0.64	0.25	0.81		
Amcor	PS2	M7	M7-2	10	2	8	9	0.43	3.43	0.20	3.51	0.21	0.82	1.82	0.11	0.49	0.64	0.25	0.81		
Amcor	PS2	M7	M7-3	10	2	7	9	0.47	3.31	0.20	3.51	0.21	0.82	1.82	0.11	0.49	0.64	0.25	0.81		
Amcor	PS2	M7	M7-4	10	2	8	10	0.61	4.88	208.02	212.91	170.38	0.00			7.92	0.00	7.06	0.00		
Amcor	PS2	M7	M7-5	10	2	9	10	3.93	35.34	208.02	212.91	170.38	0.00			7.92	0.00	7.06	0.00		
Amcor	PS3	M7	M7-1	15	2	13	15	0.52	6.80	286.81	293.61	274.05	0.00			15.12	0.00	2.21	0.05		
Amcor	PS3	M7	M7-2	15	2	13	14	0.55	7.13	33.10	39.90	29.20	0.00	0.04	0.97	5.55	0.00	0.76	0.46		
Amcor	PS3	M7	M7-3	15	2	12	14	0.57	6.80	33.10	39.90	29.20	0.00	0.04	0.97	5.55	0.00	0.76	0.46		
Amcor	PS3	M7	M7-4	15	2	14	15	0.67	9.36	286.81	293.61	274.05	0.00			15.12	0.00	2.21	0.05		
Amcor	PS3	M7	M7-5	15	2	13	14	1.87	24.28	33.10	39.90	29.20	0.00	0.04	0.97	5.55	0.00	0.76	0.46		
Amcor	PS3	M3	M3-1	15	1	13	14	2.29	29.80	10.10	39.90	4.41	0.06	1.92	0.08					2.10	0.06
Amcor	PS3	M3	M3-2	15	1	14	15	2.73	38.27	255.34	293.61	93.41	0.00							9.67	0.00
Amcor	PS4	M3	M3-1	10	1	8	9	1.00	8.03	1.84	9.88	1.84	0.21	3.86	0.00					1.36	0.21
Amcor	PS4	M7	M7-1	10	2	8	9	1.19	9.51	1.34	9.88	0.55	0.60	0.98	0.36	0.98	0.36	0.90	0.40		
Amcor	PS4	M7	M7-2	10	2	8	9	1.21	9.70	1.34	9.88	0.55	0.60	0.98	0.36	0.98	0.36	0.90	0.40		
Amcor	PS4	M7	M7-3	10	2	8	10	1.21	9.72	236.45	246.17	97.35	0.00			5.48	0.00	3.02	0.02		
Amcor	PS4	M7	M7-4	10	2	7	9	1.22	8.53	1.34	9.88	0.55	0.60	0.98	0.36	0.98	0.36	0.90	0.40		



Table A31-6 Continued

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS4	M7	M7-5	10	2	9	10	2.31	20.82	236.45	246.17	97.35	0.00			5.48	0.00	3.02	0.02		
Amcor	PS4	M3	M3-2	10	1	9	10	2.56	23.01	223.16	246.17	87.28	0.00							9.34	0.00
Amcor	PS5	M7	M7-1	15	2	12	14	0.73	8.75	20.76	29.51	14.24	0.00	-2.37	0.04	5.08	0.00	3.14	0.01		
Amcor	PS5	M7	M7-2	15	2	13	15	0.99	12.85	220.61	233.46	111.62	0.00			8.12	0.00	2.20	0.05		
Amcor	PS5	M7	M7-3	15	2	14	15	1.26	17.61	220.61	233.46	111.62	0.00			8.12	0.00	2.20	0.05		
Amcor	PS5	M7	M7-4	15	2	13	14	1.23	15.94	20.76	29.51	14.24	0.00	-2.37	0.04	5.08	0.00	3.14	0.01		
Amcor	PS5	M3	M3-1	15	1	14	15	1.97	27.64	205.82	233.46	104.24	0.00							10.21	0.00
Amcor	PS5	M3	M3-2	15	1	13	14	1.88	24.48	5.03	29.51	2.67	0.13	1.30	0.22					1.64	0.13
Amcor	PS5	M7	M7-5	15	2	13	14	2.12	27.59	20.76	29.51	14.24	0.00	-2.37	0.04	5.08	0.00	3.14	0.01		
Amcor	PS6	M7	M7-1	15	2	12	14	1.06	12.69	26.04	38.74	12.31	0.00	-2.31	0.04	4.26	0.00	3.88	0.00		
Amcor	PS6	M7	M7-2	15	2	13	15	1.41	18.33	270.35	288.68	95.88	0.00			3.80	0.00	2.85	0.01		
Amcor	PS6	M3	M3-1	15	1	14	15	1.81	25.38	263.30	288.68	145.27	0.00							12.05	0.00
Amcor	PS6	M3	M3-2	15	1	13	14	1.74	22.67	16.07	38.74	9.22	0.01	1.25	0.23					3.04	0.01
Amcor	PS6	M7	M7-3	15	2	14	15	2.13	29.75	270.35	288.68	95.88	0.00			3.80	0.00	2.85	0.01		
Amcor	PS6	M7	M7-4	15	2	13	14	2.20	28.66	26.04	38.74	12.31	0.00	-2.31	0.04	4.26	0.00	3.88	0.00		
Amcor	PS6	M7	M7-5	15	2	13	14	2.45	31.89	26.04	38.74	12.31	0.00	-2.31	0.04	4.26	0.00	3.88	0.00		
Amcor	PS7	M3	M3-1	10	1	8	9	0.59	4.73	0.73	5.46	1.23	0.30	3.32	0.01					1.11	0.30
Amcor	PS7	M7	M7-1	10	2	8	9	0.61	4.87	1.05	5.46	0.84	0.47	0.89	0.40	1.23	0.26	0.85	0.42		
Amcor	PS7	M7	M7-2	10	2	8	10	0.61	4.90	223.62	228.53	182.39	0.00			7.46	0.00	6.27	0.00		
Amcor	PS7	M7	M7-3	10	2	8	9	0.67	5.35	1.05	5.46	0.84	0.47	0.89	0.40	1.23	0.26	0.85	0.42		
Amcor	PS7	M7	M7-4	10	2	7	9	0.63	4.41	1.05	5.46	0.84	0.47	0.89	0.40	1.23	0.26	0.85	0.42		
Amcor	PS7	M3	M3-2	10	1	9	10	1.25	11.24	217.28	228.53	173.95	0.00							13.19	0.00
Amcor	PS7	M7	M7-5	10	2	9	10	3.23	29.04	223.62	228.53	182.39	0.00			7.46	0.00	6.27	0.00		

Table A31-6 Continued

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS8	M7	M7-1	15	2	12	14	0.74	8.86	29.61	38.47	20.05	0.00	-3.20	0.01	5.86	0.00	3.44	0.00		
Amcor	PS8	M3	M3-1	15	1	14	15	1.23	17.23	133.69	150.92	108.59	0.00							10.42	0.00
Amcor	PS8	M7	M7-2	15	2	14	15	1.31	18.30	134.48	150.92	53.17	0.00			4.03	0.00	1.21	0.25		
Amcor	PS8	M7	M7-3	15	2	13	15	1.26	16.44	134.48	150.92	53.17	0.00			4.03	0.00	1.21	0.25		
Amcor	PS8	M3	M3-2	15	1	13	14	1.31	17.07	21.40	38.47	16.30	0.00	0.35	0.73					4.04	0.00
Amcor	PS8	M7	M7-4	15	2	13	14	1.35	17.61	29.61	38.47	20.05	0.00	-3.20	0.01	5.86	0.00	3.44	0.00		
Amcor	PS8	M7	M7-5	15	2	14	15	2.64	36.97	134.48	150.92	53.17	0.00			4.03	0.00	1.21	0.25		
Amcor	PS9	M7	M7-1	9	2	7	8	0.25	1.78	0.29	2.07	0.49	0.63	7.06	0.00	-0.99	0.36	-0.13	0.90		
Amcor	PS9	M3	M3-1	9	1	7	8	0.28	1.99	0.08	2.07	0.28	0.62	13.98	0.00					-0.53	0.62
Amcor	PS9	M7	M7-2	9	2	7	8	0.30	2.07	0.29	2.07	0.49	0.63	7.06	0.00	-0.99	0.36	-0.13	0.90		
Amcor	PS9	M7	M7-3	9	2	6	8	0.30	1.78	0.29	2.07	0.49	0.63	7.06	0.00	-0.99	0.36	-0.13	0.90		
Amcor	PS9	M7	M7-4	9	2	7	9	2.37	16.56	198.29	214.84	41.92	0.00			2.90	0.02	2.23	0.06		
Amcor	PS9	M7	M7-5	9	2	8	9	3.54	28.34	198.29	214.84	41.92	0.00			2.90	0.02	2.23	0.06		
Amcor	PS9	M3	M3-2	9	1	8	9	7.21	57.65	157.19	214.84	21.81	0.00							4.67	0.00
Perfecseal	PS8	M7	M7-1	15	2	12	14	1.55	18.62	58.64	77.27	18.89	0.00	-3.22	0.01	5.56	0.00	3.20	0.01		
Perfecseal	PS8	M3	M3-1	15	1	14	15	2.29	32.06	183.84	215.89	80.28	0.00							8.96	0.00
Perfecseal	PS8	M3	M3-2	15	1	13	14	2.46	31.94	45.33	77.27	18.45	0.00	-0.22	0.83					4.30	0.00
Perfecseal	PS8	M7	M7-2	15	2	14	15	2.63	36.77	181.17	215.89	33.92	0.00			3.49	0.00	0.87	0.40		
Perfecseal	PS8	M7	M7-3	15	2	13	14	2.65	34.49	58.64	77.27	18.89	0.00	-3.22	0.01	5.56	0.00	3.20	0.01		
Perfecseal	PS8	M7	M7-4	15	2	13	15	2.67	34.72	181.17	215.89	33.92	0.00			3.49	0.00	0.87	0.40		
Perfecseal	PS8	M7	M7-5	15	2	14	15	4.81	67.34	181.17	215.89	33.92	0.00			3.49	0.00	0.87	0.40		

**Table A31-7. Parameter coefficients and model fit statistics for regression of lowest average force on burst pressure by adhesive and package**

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS1	M8	M8-1	LowAvgForce		0.14	2.72		0.97	0.96	0.94	2	-7.08	0.64	6.25	2.95	0.01	0.00	TRUE
Amcor	PS1	M8	M8-2	LowAvgForce	-1.48	0.23	3.66		0.66	0.56	0.17	3	-6.83	0.63	6.79	4.01	0.10	0.00	
Amcor	PS1	M4	M4-1	LowAvgForce	1.27			0.30	0.48	0.41	0.02	2	-4.51	0.73	8.00	3.73	0.07	0.00	TRUE
Amcor	PS1	M4	M4-2	LowAvgForce				0.49	0.94	0.94	0.93	1	-3.10	0.82	7.41	1.41	0.01	0.00	
Amcor	PS1	M8	M8-3	LowAvgForce	1.63		2.76		0.29	0.20	-0.48	2	-1.36	0.86	12.16	6.30	0.09	0.00	
Amcor	PS1	M8	M8-4	LowAvgForce		0.26			0.93	0.92	0.91	1	-1.19	0.90	9.16	1.90	0.01	0.00	
Amcor	PS1	M8	M8-5	LowAvgForce	1.23	0.16			0.20	0.10	-0.85	2	-0.20	0.91	15.13	8.56	0.10	0.00	
Amcor	PS2	M4	M4-1	LowAvgForce				1.06	0.96	0.96	0.96	1	-5.68	0.72	5.62	0.97	0.00	0.00	TRUE
Amcor	PS2	M4	M4-2	LowAvgForce	0.12			1.02	0.35	0.27	-0.03	2	-3.68	0.76	7.35	2.71	0.08	0.00	
Amcor	PS2	M8	M8-1	LowAvgForce	2.98	0.06			0.09	-0.03	-0.44	2	-0.29	0.90	10.23	3.72	0.11	0.00	
Amcor	PS2	M8	M8-2	LowAvgForce	4.02		1.17		0.07	-0.04	-0.67	2	-0.15	0.91	11.88	5.28	0.12	0.00	
Amcor	PS2	M8	M8-3	LowAvgForce		0.21	3.45		0.94	0.93	0.90	2	1.22	0.97	12.99	5.42	0.01	0.00	TRUE
Amcor	PS2	M8	M8-4	LowAvgForce	3.11	0.05	0.17		0.09	-0.17	-0.90	3	1.71	0.96	13.56	7.05	0.26	0.00	
Amcor	PS2	M8	M8-5	LowAvgForce		0.31			0.83	0.81	0.81	1	9.84	1.56	25.11	3.20	0.02	0.00	
Amcor	PS3	M8	M8-1	LowAvgForce		0.46			0.97	0.96	0.96	1	-8.82	0.72	8.80	1.51	0.00	0.00	TRUE
Amcor	PS3	M8	M8-2	LowAvgForce		0.43	0.62		0.97	0.97	0.96	2	-8.77	0.70	9.30	2.89	0.00	0.00	
Amcor	PS3	M8	M8-3	LowAvgForce	0.51	0.40			0.81	0.80	0.72	2	-8.28	0.71	9.69	3.08	0.01	0.00	
Amcor	PS3	M8	M8-4	LowAvgForce	-0.23	0.44	0.85		0.82	0.79	0.70	3	-6.82	0.73	10.63	4.25	0.03	0.00	
Amcor	PS3	M8	M8-5	LowAvgForce	5.62		4.29		0.39	0.35	0.21	2	9.24	1.28	27.56	6.29	0.05	0.00	
Amcor	PS3	M4	M4-1	LowAvgForce	1.62			0.59	0.23	0.17	-0.05	2	12.77	1.44	36.72	9.80	0.06	0.00	
Amcor	PS3	M4	M4-2	LowAvgForce				1.04	0.85	0.84	0.83	1	13.49	1.52	36.49	4.23	0.01	0.00	TRUE
Amcor	PS4	M4	M4-1	LowAvgForce	2.56			0.55	0.22	0.13	-0.16	2	-5.79	0.69	5.60	1.84	0.10	0.00	
Amcor	PS4	M8	M8-1	LowAvgForce	3.01		1.12		0.10	-0.01	-0.44	2	-4.28	0.74	6.96	2.59	0.11	0.00	
Amcor	PS4	M8	M8-2	LowAvgForce		0.48	3.28		0.96	0.95	0.95	2	-3.28	0.78	6.88	2.05	0.01	0.00	TRUE
Amcor	PS4	M8	M8-3	LowAvgForce	3.48	0.00			0.00	-0.12	-0.32	2	-3.25	0.78	6.39	1.55	0.12	0.00	

Table A31-7 Continued

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS4	M8	M8-4	LowAvgForce	1.90	0.19	1.80		0.16	-0.08	-0.48	3	-2.99	0.76	7.18	3.11	0.24	0.00	
Amcor	PS4	M4	M4-2	LowAvgForce				1.90	0.91	0.90	0.89	1	3.06	1.11	13.29	2.17	0.01	0.00	TRUE
Amcor	PS4	M8	M8-5	LowAvgForce		0.76			0.90	0.89	0.87	1	4.47	1.19	16.35	3.54	0.01	0.00	
Amcor	PS5	M8	M8-1	LowAvgForce	-2.97	0.48	3.92		0.61	0.55	0.13	3	-6.43	0.74	14.58	8.03	0.06	0.00	TRUE
Amcor	PS5	M8	M8-2	LowAvgForce		0.27	1.37		0.94	0.93	0.92	2	-4.50	0.81	10.51	2.00	0.01	0.00	
Amcor	PS5	M8	M8-3	LowAvgForce	0.99	0.23			0.37	0.32	0.14	2	-1.25	0.90	14.51	3.94	0.05	0.00	
Amcor	PS5	M8	M8-4	LowAvgForce		0.34			0.91	0.90	0.90	1	-1.10	0.93	14.20	2.00	0.01	0.00	
Amcor	PS5	M4	M4-1	LowAvgForce				0.78	0.88	0.88	0.87	1	2.67	1.06	17.71	2.03	0.01	0.00	TRUE
Amcor	PS5	M4	M4-2	LowAvgForce	1.26			0.44	0.18	0.11	-0.15	2	2.82	1.03	19.28	5.41	0.06	0.00	
Amcor	PS5	M8	M8-5	LowAvgForce	3.30		0.96		0.04	-0.03	-0.17	2	5.10	1.11	19.64	3.50	0.07	0.00	
Amcor	PS6	M8	M8-1	LowAvgForce	-4.17	0.77	5.55		0.74	0.70	0.59	3	-2.61	0.84	13.45	5.00	0.04	0.00	TRUE
Amcor	PS6	M4	M4-1	LowAvgForce				1.06	0.91	0.90	0.89	1	4.74	1.13	20.38	2.37	0.01	0.00	TRUE
Amcor	PS6	M8	M8-2	LowAvgForce		0.35	2.49		0.92	0.90	0.88	2	4.79	1.10	23.47	7.66	0.01	0.00	
Amcor	PS6	M4	M4-2	LowAvgForce	0.51			0.91	0.46	0.42	0.27	2	6.35	1.16	23.60	6.05	0.04	0.00	
Amcor	PS6	M8	M8-3	LowAvgForce		0.57			0.88	0.87	0.87	1	8.18	1.27	25.12	2.47	0.01	0.00	
Amcor	PS6	M8	M8-4	LowAvgForce	0.24	0.53			0.30	0.25	0.13	2	10.14	1.32	28.39	5.80	0.05	0.00	
Amcor	PS6	M8	M8-5	LowAvgForce			5.64		0.84	0.83	0.83	1	12.30	1.46	31.80	2.00	0.01	0.00	
Amcor	PS7	M8	M8-1	LowAvgForce	2.67	0.19			0.09	-0.02	-0.73	2	-5.10	0.71	7.68	3.65	0.11	0.00	
Amcor	PS7	M8	M8-2	LowAvgForce	3.61		0.81		0.07	-0.04	-0.38	2	-4.89	0.72	6.11	2.00	0.12	0.00	
Amcor	PS7	M4	M4-1	LowAvgForce	2.63			0.43	0.03	-0.09	-0.55	2	-4.50	0.73	6.86	2.59	0.12	0.00	
Amcor	PS7	M8	M8-3	LowAvgForce		0.69	2.43		0.95	0.94	0.91	2	-3.24	0.78	9.47	4.63	0.01	0.00	TRUE
Amcor	PS7	M8	M8-4	LowAvgForce	2.76	0.17	0.09		0.09	-0.17	-1.21	3	-3.10	0.76	9.76	5.73	0.26	0.00	
Amcor	PS7	M4	M4-2	LowAvgForce				2.46	0.93	0.92	0.91	1	-0.44	0.93	9.61	1.78	0.01	0.00	TRUE
Amcor	PS7	M8	M8-5	LowAvgForce		1.07			0.86	0.85	0.80	1	5.48	1.25	20.71	6.54	0.02	0.00	

Table A31-7 Continued

Adhesive	Package	Model	Model ID	Dependent Variable	Intercept	Burst Pressure	Gap	Burst Pressure x Gap	R square	Adjusted R Square	Prediction R Square	Mallow's Cp	Akaike's AIC	RMSE	PRESS	PRESS - SSE	Adj RSq - RSq	Cp - P	Model Selected
Amcor	PS8	M8	M8-1	LowAvgForce	-2.72	1.87	2.81		0.76	0.71	0.67	3	-7.03	0.72	8.56	2.26	0.04	0.00	TRUE
Amcor	PS8	M8	M8-2	LowAvgForce		1.25			0.86	0.85	0.84	1	-1.23	0.93	13.56	1.47	0.01	0.00	
Amcor	PS8	M8	M8-3	LowAvgForce	-0.83	1.69			0.57	0.54	0.43	2	-0.70	0.92	14.68	3.71	0.03	0.00	
Amcor	PS8	M8	M8-4	LowAvgForce		1.08	0.57		0.87	0.85	0.83	2	0.23	0.95	15.04	3.37	0.02	0.00	
Amcor	PS8	M4	M4-1	LowAvgForce				2.14	0.85	0.84	0.83	1	0.25	0.98	14.84	1.49	0.01	0.00	TRUE
Amcor	PS8	M4	M4-2	LowAvgForce	0.12			2.04	0.48	0.44	0.35	2	2.21	1.01	16.69	3.38	0.04	0.00	
Amcor	PS8	M8	M8-5	LowAvgForce			3.38		0.71	0.69	0.67	1	9.97	1.35	28.50	2.98	0.02	0.00	
Amcor	PS9	M8	M8-1	LowAvgForce	4.40	-0.14			0.11	-0.02	-1.65	2	-7.30	0.61	7.60	5.04	0.13	0.00	
Amcor	PS9	M8	M8-2	LowAvgForce	3.59		0.57		0.04	-0.10	-0.63	2	-6.64	0.63	4.69	1.94	0.14	0.00	
Amcor	PS9	M4	M4-1	LowAvgForce	3.88			-0.02	0.00	-0.14	-0.93	2	-6.29	0.64	5.55	2.68	0.14	0.00	
Amcor	PS9	M8	M8-3	LowAvgForce	4.17	-0.12	0.41		0.13	-0.16	-3.30	3	-5.49	0.65	12.36	9.85	0.29	0.00	
Amcor	PS9	M8	M8-4	LowAvgForce		0.47	3.84		0.92	0.89	0.83	2	5.91	1.26	22.96	11.83	0.02	0.00	TRUE
Amcor	PS9	M8	M8-5	LowAvgForce		0.84			0.85	0.83	0.85	1	9.29	1.59	21.09	0.87	0.02	0.00	
Amcor	PS9	M4	M4-2	LowAvgForce				1.66	0.74	0.70	0.70	1	14.49	2.12	40.32	4.27	0.03	0.00	TRUE
Perfecseal	PS8	M8	M8-1	LowAvgForce	-3.55	1.95	4.00		0.75	0.71	0.54	3	2.98	1.01	22.45	10.18	0.04	0.00	TRUE
Perfecseal	PS8	M4	M4-1	LowAvgForce				2.27	0.81	0.80	0.80	1	7.64	1.25	23.78	1.93	0.01	0.00	TRUE
Perfecseal	PS8	M4	M4-2	LowAvgForce	-0.39			2.58	0.57	0.53	0.45	2	9.29	1.28	26.79	5.45	0.03	0.00	
Perfecseal	PS8	M8	M8-2	LowAvgForce		1.30			0.79	0.78	0.76	1	9.43	1.33	27.87	3.25	0.01	0.00	
Perfecseal	PS8	M8	M8-3	LowAvgForce	-1.09	1.83			0.55	0.52	0.45	2	9.73	1.30	27.07	5.09	0.03	0.00	
Perfecseal	PS8	M8	M8-4	LowAvgForce		1.13	0.65		0.80	0.76	0.70	2	11.06	1.36	35.23	11.22	0.03	0.00	
Perfecseal	PS8	M8	M8-5	LowAvgForce			3.73		0.64	0.61	0.59	1	17.72	1.75	48.41	5.63	0.03	0.00	

**Table A31-8. ANOVA statistics for regression of lowest average force on burst pressure by adhesive and package**

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS1	M8	M8-1	10	2	8	10	0.41	3.30	99.56	102.86	120.60	0.00			3.55	0.01	3.10	0.01		
Amcor	PS1	M8	M8-2	10	2	7	9	0.40	2.77	5.42	8.19	6.84	0.02	-1.16	0.29	2.79	0.03	3.10	0.02		
Amcor	PS1	M4	M4-1	10	1	8	9	0.53	4.27	3.92	8.19	7.35	0.03	1.80	0.11					2.71	0.03
Amcor	PS1	M4	M4-2	10	1	9	10	0.67	6.00	96.86	102.86	145.23	0.00							12.05	0.00
Amcor	PS1	M8	M8-3	10	2	8	9	0.73	5.85	5.42	8.19	6.84	0.02	-1.16	0.29	2.79	0.03	3.10	0.02		
Amcor	PS1	M8	M8-4	10	2	9	10	0.81	7.27	99.56	102.86	120.60	0.00			3.55	0.01	3.10	0.01		
Amcor	PS1	M8	M8-5	10	2	8	9	0.82	6.57	5.42	8.19	6.84	0.02	-1.16	0.29	2.79	0.03	3.10	0.02		
Amcor	PS2	M4	M4-1	10	1	9	10	0.52	4.64	126.34	130.98	244.97	0.00							15.65	0.00
Amcor	PS2	M4	M4-2	10	1	8	9	0.58	4.64	2.49	7.13	4.29	0.07	0.07	0.94					2.07	0.07
Amcor	PS2	M8	M8-1	10	2	8	9	0.81	6.51	0.62	7.13	0.33	0.73	1.07	0.32	0.32	0.76	-0.05	0.96		
Amcor	PS2	M8	M8-2	10	2	8	9	0.83	6.61	0.62	7.13	0.33	0.73	1.07	0.32	0.32	0.76	-0.05	0.96		
Amcor	PS2	M8	M8-3	10	2	8	10	0.95	7.57	123.41	130.98	65.18	0.00			5.35	0.00	3.89	0.00		
Amcor	PS2	M8	M8-4	10	2	7	9	0.93	6.51	0.62	7.13	0.33	0.73	1.07	0.32	0.32	0.76	-0.05	0.96		
Amcor	PS2	M8	M8-5	10	2	9	10	2.43	21.91	123.41	130.98	65.18	0.00			5.35	0.00	3.89	0.00		
Amcor	PS3	M8	M8-1	15	2	14	15	0.52	7.29	210.34	216.75	213.53	0.00			13.81	0.00	1.34	0.20		
Amcor	PS3	M8	M8-2	15	2	13	15	0.49	6.40	210.34	216.75	213.53	0.00			13.81	0.00	1.34	0.20		
Amcor	PS3	M8	M8-3	15	2	13	14	0.51	6.62	28.67	35.05	26.95	0.00	-0.19	0.85	5.29	0.00	0.66	0.52		
Amcor	PS3	M8	M8-4	15	2	12	14	0.53	6.38	28.67	35.05	26.95	0.00	-0.19	0.85	5.29	0.00	0.66	0.52		
Amcor	PS3	M8	M8-5	15	2	13	14	1.64	21.27	28.67	35.05	26.95	0.00	-0.19	0.85	5.29	0.00	0.66	0.52		
Amcor	PS3	M4	M4-1	15	1	13	14	2.07	26.92	8.13	35.05	3.93	0.07	1.61	0.13					1.98	0.07
Amcor	PS3	M4	M4-2	15	1	14	15	2.30	32.26	184.48	216.75	80.06	0.00							8.95	0.00
Amcor	PS4	M4	M4-1	10	1	8	9	0.47	3.76	1.09	4.84	2.31	0.17	3.96	0.00					1.52	0.17
Amcor	PS4	M8	M8-1	10	2	8	9	0.55	4.37	0.77	4.84	0.67	0.54	1.14	0.29	0.72	0.50	1.15	0.29		
Amcor	PS4	M8	M8-2	10	2	8	10	0.60	4.83	121.73	126.56	100.81	0.00			5.05	0.00	3.64	0.01		
Amcor	PS4	M8	M8-3	10	2	8	9	0.61	4.84	0.77	4.84	0.67	0.54	1.14	0.29	0.72	0.50	1.15	0.29		
Amcor	PS4	M8	M8-4	10	2	7	9	0.58	4.07	0.77	4.84	0.67	0.54	1.14	0.29	0.72	0.50	1.15	0.29		



Table A31-8 Continued

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcor	PS4	M4	M4-2	10	1	9	10	1.24	11.12	115.44	126.56	93.42	0.00							9.67	0.00
Amcor	PS4	M8	M8-5	10	2	9	10	1.42	12.81	121.73	126.56	100.81	0.00			5.05	0.00	3.64	0.01		
Amcor	PS5	M8	M8-1	15	2	12	14	0.55	6.55	10.29	16.84	9.42	0.00	-1.90	0.08	4.19	0.00	2.71	0.02		
Amcor	PS5	M8	M8-2	15	2	13	15	0.65	8.51	127.08	135.59	97.07	0.00			7.29	0.00	2.37	0.03		
Amcor	PS5	M8	M8-3	15	2	13	14	0.81	10.57	10.29	16.84	9.42	0.00	-1.90	0.08	4.19	0.00	2.71	0.02		
Amcor	PS5	M8	M8-4	15	2	14	15	0.87	12.20	127.08	135.59	97.07	0.00			7.29	0.00	2.37	0.03		
Amcor	PS5	M4	M4-1	15	1	14	15	1.12	15.69	119.90	135.59	107.02	0.00							10.34	0.00
Amcor	PS5	M4	M4-2	15	1	13	14	1.07	13.87	2.97	16.84	2.78	0.12	1.30	0.21					1.67	0.12
Amcor	PS5	M8	M8-5	15	2	13	14	1.24	16.14	10.29	16.84	9.42	0.00	-1.90	0.08	4.19	0.00	2.71	0.02		
Amcor	PS6	M8	M8-1	15	2	12	14	0.70	8.45	24.01	32.46	17.05	0.00	-3.23	0.01	5.08	0.00	4.48	0.00		
Amcor	PS6	M4	M4-1	15	1	14	15	1.29	18.01	173.00	191.01	134.49	0.00							11.60	0.00
Amcor	PS6	M8	M8-2	15	2	13	15	1.22	15.81	175.20	191.01	72.02	0.00			3.39	0.00	2.37	0.03		
Amcor	PS6	M4	M4-2	15	1	13	14	1.35	17.54	14.91	32.46	11.05	0.01	0.59	0.57					3.32	0.01
Amcor	PS6	M8	M8-3	15	2	14	15	1.62	22.65	175.20	191.01	72.02	0.00			3.39	0.00	2.37	0.03		
Amcor	PS6	M8	M8-4	15	2	13	14	1.74	22.59	24.01	32.46	17.05	0.00	-3.23	0.01	5.08	0.00	4.48	0.00		
Amcor	PS6	M8	M8-5	15	2	14	15	2.13	29.80	175.20	191.01	72.02	0.00			3.39	0.00	2.37	0.03		
Amcor	PS7	M8	M8-1	10	2	8	9	0.50	4.03	0.40	4.43	0.35	0.72	1.20	0.27	0.39	0.71	-0.04	0.97		
Amcor	PS7	M8	M8-2	10	2	8	9	0.51	4.11	0.40	4.43	0.35	0.72	1.20	0.27	0.39	0.71	-0.04	0.97		
Amcor	PS7	M4	M4-1	10	1	8	9	0.53	4.28	0.15	4.43	0.28	0.61	2.58	0.03					0.53	0.61
Amcor	PS7	M8	M8-3	10	2	8	10	0.61	4.85	99.60	104.45	82.18	0.00			5.29	0.00	3.92	0.00		
Amcor	PS7	M8	M8-4	10	2	7	9	0.58	4.03	0.40	4.43	0.35	0.72	1.20	0.27	0.39	0.71	-0.04	0.97		
Amcor	PS7	M4	M4-2	10	1	9	10	0.87	7.83	96.61	104.45	111.00	0.00							10.54	0.00
Amcor	PS7	M8	M8-5	10	2	9	10	1.57	14.17	99.60	104.45	82.18	0.00			5.29	0.00	3.92	0.00		

Table A31-8 Continued

Adhesive	Package	Model	Model ID	N	Model DF	Error DF	Total DF	MSE	SSE	SSR	SST	F Value for the model	Prob > F for the Model	t Value for Intercept	Prob > t for Intercept	t Value for Burst Pressure	Prob > t for Burst Pressure	t Value for Gap	Prob > t for Gap	t Value for Burst Pressure x Gap	Prob > t for Burst Pressure x Gap
Amcors	PS8	M8	M8-1	15	2	12	14	0.52	6.29	19.47	25.76	18.56	0.00	-3.20	0.01	5.78	0.00	2.98	0.01		
Amcors	PS8	M8	M8-2	15	2	14	15	0.86	12.09	75.21	86.87	41.91	0.00			3.93	0.00	0.69	0.50		
Amcors	PS8	M8	M8-3	15	2	13	14	0.84	10.96	19.47	25.76	18.56	0.00	-3.20	0.01	5.78	0.00	2.98	0.01		
Amcors	PS8	M8	M8-4	15	2	13	15	0.90	11.67	75.21	86.87	41.91	0.00			3.93	0.00	0.69	0.50		
Amcors	PS8	M4	M4-1	15	1	14	15	0.95	13.35	73.52	86.87	77.11	0.00							8.78	0.00
Amcors	PS8	M4	M4-2	15	1	13	14	1.02	13.31	12.45	25.76	12.16	0.00	0.19	0.85					3.49	0.00
Amcors	PS8	M8	M8-5	15	2	14	15	1.82	25.52	75.21	86.87	41.91	0.00			3.93	0.00	0.69	0.50		
Amcors	PS9	M8	M8-1	9	2	7	8	0.37	2.57	0.36	2.87	0.43	0.67	4.54	0.00	-0.77	0.47	0.36	0.73		
Amcors	PS9	M8	M8-2	9	2	7	8	0.39	2.76	0.36	2.87	0.43	0.67	4.54	0.00	-0.77	0.47	0.36	0.73		
Amcors	PS9	M4	M4-1	9	1	7	8	0.41	2.87	0.00	2.87	0.01	0.93	9.00	0.00					-0.09	0.93
Amcors	PS9	M8	M8-3	9	2	6	8	0.42	2.51	0.36	2.87	0.43	0.67	4.54	0.00	-0.77	0.47	0.36	0.73		
Amcors	PS9	M8	M8-4	9	2	7	9	1.59	11.13	125.04	136.16	39.33	0.00			2.59	0.04	2.39	0.05		
Amcors	PS9	M8	M8-5	9	2	8	9	2.53	20.22	125.04	136.16	39.33	0.00			2.59	0.04	2.39	0.05		
Amcors	PS9	M4	M4-2	9	1	8	9	4.51	36.05	100.12	136.16	22.22	0.00							4.71	0.00
Perfecseal	PS8	M8	M8-1	15	2	12	14	1.02	12.26	36.89	49.15	18.05	0.00	-3.39	0.01	5.45	0.00	3.08	0.01		
Perfecseal	PS8	M4	M4-1	15	1	14	15	1.56	21.85	95.90	117.75	61.44	0.00							7.84	0.00
Perfecseal	PS8	M4	M4-2	15	1	13	14	1.64	21.34	27.81	49.15	16.94	0.00	-0.56	0.59					4.12	0.00
Perfecseal	PS8	M8	M8-2	15	2	14	15	1.76	24.62	93.74	117.75	25.37	0.00			3.19	0.01	0.57	0.58		
Perfecseal	PS8	M8	M8-3	15	2	13	14	1.69	21.98	36.89	49.15	18.05	0.00	-3.39	0.01	5.45	0.00	3.08	0.01		
Perfecseal	PS8	M8	M8-4	15	2	13	15	1.85	24.01	93.74	117.75	25.37	0.00			3.19	0.01	0.57	0.58		
Perfecseal	PS8	M8	M8-5	15	2	14	15	3.06	42.78	93.74	117.75	25.37	0.00			3.19	0.01	0.57	0.58		