

**APPENDIX A22**

**BURST PRESSURE SAMPLE DESCRIPTIVE STATISTICS**

**Table A22-1. Burst pressure for each sealed package by seal setting, gap, package and adhesive**

Seal Setting	Gap	Package	Adhesive	Package ID	Burst Pressure (psi)		
S1	0.5	PS3	Amcor	1006	0.58		
		PS5	Amcor	1016	0.94		
		PS7	Amcor	1187	0.35		
	0.25	PS1	Amcor	1068	2.23		
		PS6	Amcor	1229	0.94		
		PS8	Amcor	1395	0.27		
				Perfecseal	2124	0.18	
			PS2	Amcor	1228	0.83	
			PS4	Amcor	1165	0.46	
			PS9	Amcor	1135	0.83	
			0.5	PS2	Amcor	1199	1.29
				PS4	Amcor	1217	1.17
PS9	Amcor	1188		0.94			
S10	0.25	PS3	Amcor	1117	1.64		
		PS5	Amcor	1109	1.99		
		PS7	Amcor	1060	0.83		
	0.75	PS1	Amcor	1173	2.19		
		PS6	Amcor	1221	1.06		
		0.78	PS8	Amcor	1414	0.16	
				Perfecseal	2435	0.17	
			0.5	PS1	Amcor	1213	2.83
		PS6		Amcor	1159	1.41	
	PS8	Amcor		1007	0.33		
				Perfecseal	2238	0.55	
			0.25	PS2	Amcor	1040	3.53
PS4				Amcor	1105	1.52	
PS9	Amcor	1049		1.06			
	0.75	PS3	Amcor	1141	1.29		
		PS5	Amcor	1023	1.52		
		PS7	Amcor	1101	0.46		
S12	0.5	PS3	Amcor	1004	1.87		
		PS5	Amcor	1167	1.87		
		PS7	Amcor	1240	0.94		
	0.25	PS1	Amcor	1044	4.11		
		PS6	Amcor	1184	1.87		
		PS8	Amcor	1078	0.46		
				Perfecseal	2335	0.57	
			0.75	PS2	Amcor	1234	1.29
				PS4	Amcor	1005	1.29
PS9	Amcor	1129		1.06			

Table A22-1 Continued

Seal Setting	Gap	Package	Adhesive	Package ID	Burst Pressure (psi)
S13	0.5	PS1	Amcor	1222	2.09
		PS6	Amcor	1169	1.17
		PS8	Amcor	1151	0.23
			Perfecseal	2039	0.25
	0.25	PS2	Amcor	1164	3.24
		PS4	Amcor	1125	0.94
		PS9	Amcor	1148	1.06
		PS3	Amcor	1227	1.17
	0.75	PS5	Amcor	1024	1.17
		PS7	Amcor	1176	0.46
		PS3	Amcor	1112	1.75
		PS5	Amcor	1166	1.64
	0.25	PS7	Amcor	1001	0.70
		PS1	Amcor	1086	4.18
		PS6	Amcor	1063	1.64
		PS8	Amcor	1587	0.44
	0.75		Perfecseal	1766	0.42
		PS2	Amcor	1139	1.06
		PS4	Amcor	1154	0.83
		PS9	Amcor	1146	1.06
S15	0.5	PS2	Amcor	1153	1.64
		PS4	Amcor	1029	1.06
		PS9	Amcor	1238	1.06
		PS3	Amcor	1219	2.35
	0.25	PS5	Amcor	1185	2.35
		PS7	Amcor	1209	1.06
		PS1	Amcor	1138	2.91
		PS6	Amcor	1089	1.17
	0.78	PS8	Amcor	1083	0.36
			Perfecseal	1812	0.28
		PS3	Amcor	1064	1.41
		PS5	Amcor	1088	1.41
	0.25	PS7	Amcor	1087	0.70
		PS1	Amcor	1212	3.75
		PS6	Amcor	1171	1.52
		PS8	Amcor	1296	0.38
	0.75		Perfecseal	2025	0.24
		PS2	Amcor	1059	0.94
		PS4	Amcor	1058	0.70
		PS9	Amcor	1114	0.94

Table A22-1 Continued

Seal Setting	Gap	Package	Adhesive	Package ID	Burst Pressure (psi)		
S17	0.5	PS2	Amcor	1202	1.52		
		PS4	Amcor	1013	0.83		
		PS9	Amcor	1107	0.07		
	0.25	PS3	Amcor	1062	1.87		
		PS5	Amcor	1144	2.23		
		PS7	Amcor	1010	0.83		
		0.75	PS1	Amcor	1085	2.55	
			PS6	Amcor	1192	1.29	
		0.78	PS8	Amcor	1317	0.28	
		Perfecseal	2046	0.31			
S18	0.5	PS1	Amcor	1124	3.14		
		PS6	Amcor	1168	1.75		
		PS8	Amcor	1406	0.49		
			Perfecseal	2436	0.62		
	0.25	PS2	Amcor	1207	3.76		
		PS4	Amcor	1051	1.52		
		PS9	Amcor	1067	1.17		
		0.75	PS3	Amcor	1140	1.75	
			PS5	Amcor	1150	1.64	
			PS7	Amcor	1123	0.70	
		S19	0.5	PS6	Amcor	1186	1.17
				PS8	Amcor	1375	0.40
	Perfecseal			2338	0.40		
0.75	PS3		Amcor	1048	1.41		
	PS5		Amcor	1232	1.64		
S2	0.5	PS2	Amcor	1242	1.17		
		PS4	Amcor	1050	0.70		
		PS9	Amcor	1028	0.94		
	0.25	PS3	Amcor	1009	1.64		
		PS5	Amcor	1198	1.87		
		PS7	Amcor	1145	0.58		
		0.75	PS1	Amcor	1033	2.36	
			PS6	Amcor	1214	1.17	
		0.78	PS8	Amcor	1460	0.21	
				Perfecseal	2189	0.22	
	S20	0.5	PS3	Amcor	1142	2.35	
			PS5	Amcor	1003	1.99	
			PS6	Amcor	1097	1.99	
		PS8	Amcor	1278	0.58		
			Perfecseal	1782	0.61		

Table A22-1 Continued

Seal Setting	Gap	Package	Adhesive	Package ID	Burst Pressure (psi)
S21	0.25	PS3	Amcor	1074	2.47
		PS5	Amcor	1143	3.28
	0.75	PS6	Amcor	1026	1.75
		PS8	Amcor	1565	0.58
			Perfecseal	2294	0.68
S22	0.5	PS3	Amcor	1081	1.99
		PS5	Amcor	1128	1.87
	0.25	PS6	Amcor	1152	1.29
		PS8	Amcor	1619	0.47
			Perfecseal	2348	0.51
S23	0.25	PS3	Amcor	1034	3.16
		PS5	Amcor	1235	2.47
	0.75	PS6	Amcor	1136	1.06
		PS8	Amcor	1462	0.48
			Perfecseal	2191	0.50
S24	0.5	PS6	Amcor	1095	1.29
		PS8	Amcor	1215	0.68
		Perfecseal	1944	0.80	
	0.75	PS3	Amcor	1079	2.23
		PS5	Amcor	1210	1.75
S25	0.25	PS3	Amcor	1075	2.35
		PS5	Amcor	1018	2.35
	0.75	PS6	Amcor	1099	1.06
		PS8	Amcor	1231	0.20
			Perfecseal	1960	0.19
S26	0.5	PS6	Amcor	1057	1.87
		PS8	Amcor	1571	0.58
		Perfecseal	2300	0.61	
	0.75	PS3	Amcor	1070	2.10
		PS5	Amcor	1038	1.75
S27	0.5	PS3	Amcor	1181	2.47
		PS5	Amcor	1056	2.10
	0.25	PS6	Amcor	1103	2.23
		PS8	Amcor	1672	0.73
	Perfecseal	2401	0.75		

Table A22-1 Continued

Seal Setting	Gap	Package	Adhesive	Package ID	Burst Pressure (psi)	
S3	0.5	PS1	Amcor	1019	2.58	
		PS6	Amcor	1054	1.17	
		PS8	Amcor	1629	0.36	
				Perfecseal	1994	0.46
	0.25	PS2	Amcor	1055	3.51	
		PS4	Amcor	1243	1.06	
		PS9	Amcor	1014	1.06	
	0.75	PS3	Amcor	1170	1.17	
		PS5	Amcor	1236	1.17	
		PS7	Amcor	1203	0.46	
S4	0.5	PS2	Amcor	1197	1.17	
		PS4	Amcor	1161	0.94	
		PS9	Amcor	1108	0.83	
	0.25	PS3	Amcor	1104	1.41	
		PS5	Amcor	1191	1.64	
		PS7	Amcor	1133	0.46	
	0.75	PS1	Amcor	1046	2.03	
		PS6	Amcor	1065	0.70	
	0.78	PS8	Amcor	1617	0.17	
				Perfecseal	2152	0.13
S5	0.5	PS1	Amcor	1008	2.28	
		PS6	Amcor	1132	1.17	
		PS8	Amcor	1314	0.34	
				Perfecseal	1970	0.38
	0.25	PS2	Amcor	1194	2.91	
		PS4	Amcor	1020	0.83	
		PS9	Amcor	1082	1.06	
	0.75	PS3	Amcor	1195	0.23	
		PS5	Amcor	1156	1.17	
		PS7	Amcor	1130	0.35	
S6	0.5	PS3	Amcor	1205	1.64	
		PS5	Amcor	1041	1.64	
		PS7	Amcor	1039	0.70	
	0.25	PS1	Amcor	1069	3.80	
		PS6	Amcor	1206	1.64	
		PS8	Amcor	1237	0.43	
				Perfecseal	1966	0.45
	0.75	PS2	Amcor	1208	1.06	
		PS4	Amcor	1233	0.83	
		PS9	Amcor	1015	0.94	

Table A22-1 Continued

Seal Setting	Gap	Package	Adhesive	Package ID	Burst Pressure (psi)		
S7	0.5	PS1	Amcor	1131	2.19		
		PS6	Amcor	1220	0.94		
		PS8	Amcor	1120	0.31		
			Perfecseal	1849	0.21		
	0.25	PS2	Amcor	1025	2.13		
		PS4	Amcor	1121	1.06		
		PS9	Amcor	1189	0.94		
		PS3	Amcor	1077	0.94		
	0.75	PS5	Amcor	1126	1.06		
		PS7	Amcor	1032	0.35		
		S8	0.5	PS3	Amcor	1178	1.41
				PS5	Amcor	1211	1.52
PS7	Amcor			1100	0.58		
PS1	Amcor			1002	3.32		
	0.25	PS6	Amcor	1225	1.41		
		PS8	Amcor	1294	0.34		
			Perfecseal	2398	0.39		
		PS2	Amcor	1047	0.94		
	0.75	PS4	Amcor	1122	0.83		
		PS9	Amcor	1239	0.94		
		S9	0.5	PS2	Amcor	1116	1.29
				PS4	Amcor	1031	1.06
PS9	Amcor			1119	1.06		
PS3	Amcor			1216	1.87		
	0.25	PS5	Amcor	1090	1.99		
		PS7	Amcor	1011	0.83		
		PS1	Amcor	1193	2.48		
		PS6	Amcor	1190	0.94		
	0.78	PS8	Amcor	1415	0.37		
			Perfecseal	2328	0.37		

Table A22-1. Burst pressure for each sealed package by package, seal setting, gap, and adhesive

			Adhesive			Adhesive	
			Amcor	Perfecseal		Amcor	Perfecseal
Package	Seal Setting	Gap	Packages	Packages	Total	Mean (psi)	Mean (psi)
PS1	S1	0.25	1	.	1	2.23	.
	S10	0.75	1	.	1	2.19	.
	S11	0.5	1	.	1	2.83	.
	S12	0.25	1	.	1	4.11	.
	S13	0.5	1	.	1	2.09	.
	S14	0.25	1	.	1	4.18	.
	S15	0.75	1	.	1	2.91	.
	S16	0.25	1	.	1	3.75	.
	S17	0.75	1	.	1	2.55	.
	S18	0.5	1	.	1	3.14	.
	S2	0.75	1	.	1	2.36	.
	S3	0.5	1	.	1	2.58	.
	S4	0.75	1	.	1	2.03	.
	S5	0.5	1	.	1	2.28	.
	S6	0.25	1	.	1	3.80	.
	S7	0.5	1	.	1	2.19	.
	S8	0.25	1	.	1	3.32	.
	S9	0.75	1	.	1	2.48	.
PS2	S1	0.75	1	.	1	0.83	.
	S10	0.5	1	.	1	1.29	.
	S11	0.25	1	.	1	3.53	.
	S12	0.75	1	.	1	1.29	.
	S13	0.25	1	.	1	3.24	.
	S14	0.75	1	.	1	1.06	.
	S15	0.5	1	.	1	1.64	.
	S16	0.75	1	.	1	0.94	.
	S17	0.5	1	.	1	1.52	.
	S18	0.25	1	.	1	3.76	.
	S2	0.5	1	.	1	1.17	.
	S3	0.25	1	.	1	3.51	.
	S4	0.5	1	.	1	1.17	.
	S5	0.25	1	.	1	2.91	.
	S6	0.75	1	.	1	1.06	.
	S7	0.25	1	.	1	2.13	.
	S8	0.75	1	.	1	0.94	.
	S9	0.5	1	.	1	1.29	.
PS3	S1	0.5	1	.	1	0.58	.
	S10	0.25	1	.	1	1.64	.
	S11	0.75	1	.	1	1.29	.
	S12	0.5	1	.	1	1.87	.



Table A22-2 Continued

			Adhesive			Adhesive	
			Amcor	Perfecseal		Amcor	Perfecseal
Package	Seal Setting	Gap	Packages	Packages	Total	Mean (psi)	Mean (psi)
PS3	S13	0.75	1	.	1	1.17	.
	S14	0.5	1	.	1	1.75	.
	S15	0.25	1	.	1	2.35	.
	S16	0.5	1	.	1	1.41	.
	S17	0.25	1	.	1	1.87	.
	S18	0.75	1	.	1	1.75	.
	S19	0.75	1	.	1	1.41	.
	S2	0.25	1	.	1	1.64	.
	S20	0.5	1	.	1	2.35	.
	S21	0.25	1	.	1	2.47	.
	S22	0.5	1	.	1	1.99	.
	S23	0.25	1	.	1	3.16	.
	S24	0.75	1	.	1	2.23	.
	S25	0.25	1	.	1	2.35	.
	S26	0.75	1	.	1	2.10	.
	S27	0.5	1	.	1	2.47	.
	S3	0.75	1	.	1	1.17	.
	S4	0.25	1	.	1	1.41	.
	S5	0.75	1	.	1	0.23	.
	S6	0.5	1	.	1	1.64	.
	S7	0.75	1	.	1	0.94	.
	S8	0.5	1	.	1	1.41	.
	S9	0.25	1	.	1	1.87	.
PS4	S1	0.75	1	.	1	0.46	.
	S10	0.5	1	.	1	1.17	.
	S11	0.25	1	.	1	1.52	.
	S12	0.75	1	.	1	1.29	.
	S13	0.25	1	.	1	0.94	.
	S14	0.75	1	.	1	0.83	.
	S15	0.5	1	.	1	1.06	.
	S16	0.75	1	.	1	0.70	.
	S17	0.5	1	.	1	0.83	.
	S18	0.25	1	.	1	1.52	.
	S2	0.5	1	.	1	0.70	.
	S3	0.25	1	.	1	1.06	.
	S4	0.5	1	.	1	0.94	.
	S5	0.25	1	.	1	0.83	.
	S6	0.75	1	.	1	0.83	.
	S7	0.25	1	.	1	1.06	.
	S8	0.75	1	.	1	0.83	.
	S9	0.5	1	.	1	1.06	.

Table A22-2 Continued

			Adhesive			Adhesive	
			Amcor	Perfecseal		Amcor	Perfecseal
Package	Seal Setting	Gap	Packages	Packages	Total	Mean (psi)	Mean (psi)
PS5	S1	0.5	1	.	1	0.94	.
	S10	0.25	1	.	1	1.99	.
	S11	0.75	1	.	1	1.52	.
	S12	0.5	1	.	1	1.87	.
	S13	0.75	1	.	1	1.17	.
	S14	0.5	1	.	1	1.64	.
	S15	0.25	1	.	1	2.35	.
	S16	0.5	1	.	1	1.41	.
	S17	0.25	1	.	1	2.23	.
	S18	0.75	1	.	1	1.64	.
	S19	0.75	1	.	1	1.64	.
	S2	0.25	1	.	1	1.87	.
	S20	0.5	1	.	1	1.99	.
	S21	0.25	1	.	1	3.28	.
	S22	0.5	1	.	1	1.87	.
	S23	0.25	1	.	1	2.47	.
	S24	0.75	1	.	1	1.75	.
	S25	0.25	1	.	1	2.35	.
	S26	0.75	1	.	1	1.75	.
	S27	0.5	1	.	1	2.10	.
	S3	0.75	1	.	1	1.17	.
	S4	0.25	1	.	1	1.64	.
	S5	0.75	1	.	1	1.17	.
	S6	0.5	1	.	1	1.64	.
	S7	0.75	1	.	1	1.06	.
	S8	0.5	1	.	1	1.52	.
	S9	0.25	1	.	1	1.99	.
PS6	S1	0.25	1	.	1	0.94	.
	S10	0.75	1	.	1	1.06	.
	S11	0.5	1	.	1	1.41	.
	S12	0.25	1	.	1	1.87	.
	S13	0.5	1	.	1	1.17	.
	S14	0.25	1	.	1	1.64	.
	S15	0.75	1	.	1	1.17	.
	S16	0.25	1	.	1	1.52	.
	S17	0.75	1	.	1	1.29	.
	S18	0.5	1	.	1	1.75	.
	S19	0.5	1	.	1	1.17	.
	S2	0.75	1	.	1	1.17	.
	S20	0.25	1	.	1	1.99	.

Table A22-2 Continued

			Adhesive			Adhesive	
			Amcor	Perfecseal		Amcor	Perfecseal
Package	Seal Setting	Gap	Packages	Packages	Total	Mean (psi)	Mean (psi)
PS6	S21	0.75	1	.	1	1.75	.
	S22	0.25	1	.	1	1.29	.
	S23	0.75	1	.	1	1.06	.
	S24	0.5	1	.	1	1.29	.
	S25	0.75	1	.	1	1.06	.
	S26	0.5	1	.	1	1.87	.
	S27	0.25	1	.	1	2.23	.
	S3	0.5	1	.	1	1.17	.
	S4	0.75	1	.	1	0.70	.
	S5	0.5	1	.	1	1.17	.
	S6	0.25	1	.	1	1.64	.
	S7	0.5	1	.	1	0.94	.
	S8	0.25	1	.	1	1.41	.
	S9	0.75	1	.	1	0.94	.
PS7	S1	0.5	1	.	1	0.35	.
	S10	0.25	1	.	1	0.83	.
	S11	0.75	1	.	1	0.46	.
	S12	0.5	1	.	1	0.94	.
	S13	0.75	1	.	1	0.46	.
	S14	0.5	1	.	1	0.70	.
	S15	0.25	1	.	1	1.06	.
	S16	0.5	1	.	1	0.70	.
	S17	0.25	1	.	1	0.83	.
	S18	0.75	1	.	1	0.70	.
	S2	0.25	1	.	1	0.58	.
	S3	0.75	1	.	1	0.46	.
	S4	0.25	1	.	1	0.46	.
	S5	0.75	1	.	1	0.35	.
	S6	0.5	1	.	1	0.70	.
	S7	0.75	1	.	1	0.35	.
	S8	0.5	1	.	1	0.58	.
	S9	0.25	1	.	1	0.83	.
PS8	S1	0.25	1	1	2	0.27	0.18
	S10	0.78	1	1	2	0.16	0.17
	S11	0.5	1	1	2	0.33	0.55
	S12	0.25	1	1	2	0.46	0.57
	S13	0.5	1	1	2	0.23	0.25
	S14	0.25	1	1	2	0.44	0.42
	S15	0.78	1	1	2	0.36	0.28
	S16	0.25	1	1	2	0.38	0.24
	S17	0.78	1	1	2	0.28	0.31

Table A22-2 Continued

			Adhesive			Adhesive	
			Amcor	Perfecseal		Amcor	Perfecseal
Package	Seal Setting	Gap	Packages	Packages	Total	Mean (psi)	Mean (psi)
PS8	S18	0.5	1	1	2	0.49	0.62
	S19	0.5	1	1	2	0.40	0.40
	S2	0.78	1	1	2	0.21	0.22
	S20	0.25	1	1	2	0.58	0.61
	S21	0.78	1	1	2	0.58	0.68
	S22	0.25	1	1	2	0.47	0.51
	S23	0.78	1	1	2	0.48	0.50
	S24	0.5	1	1	2	0.68	0.80
	S25	0.78	1	1	2	0.20	0.19
	S26	0.5	1	1	2	0.58	0.61
	S27	0.25	1	1	2	0.73	0.75
	S3	0.5	1	1	2	0.36	0.46
	S4	0.78	1	1	2	0.17	0.13
	S5	0.5	1	1	2	0.34	0.38
	S6	0.25	1	1	2	0.43	0.45
	S7	0.5	1	1	2	0.31	0.21
	S8	0.25	1	1	2	0.34	0.39
	S9	0.78	1	1	2	0.37	0.37
PS9	S1	0.75	1	.	1	0.83	.
	S10	0.5	1	.	1	0.94	.
	S11	0.25	1	.	1	1.06	.
	S12	0.75	1	.	1	1.06	.
	S13	0.25	1	.	1	1.06	.
	S14	0.75	1	.	1	1.06	.
	S15	0.5	1	.	1	1.06	.
	S16	0.75	1	.	1	0.94	.
	S17	0.5	1	.	1	0.07	.
	S18	0.25	1	.	1	1.17	.
	S2	0.5	1	.	1	0.94	.
	S3	0.25	1	.	1	1.06	.
	S4	0.5	1	.	1	0.83	.
	S5	0.25	1	.	1	1.06	.
	S6	0.75	1	.	1	0.94	.
	S7	0.25	1	.	1	0.94	.
	S8	0.75	1	.	1	0.94	.
	S9	0.5	1	.	1	1.06	.