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TECHNICAL DATASHEET FOR COMPOUND: S70-CORD

ASTM D2000 M7GE706 A19 B37 EA14 EO16 EO36 F19

ZZ-R-765 CLASS 2A & 2B GRADE 70

MIL SPEC A-A59588A CL2A & 2B GRADE 70 FDA 21 CFR177.2600

TIME AND TEMP.	PHYSICAL TEST	ASTM TEST METHOD	PROPERTIES EVALUATED	SPECIFICATION	TEST RESULTS
	ORIGINAL PROPERTIES	D2240 D412 D412	DUROMETER HARDNESS TENSILE STRENGTH % ULTIMATE ELONGATION	70+/-5 870 150	72 1101 210
A19 70 HRS @ 225°C	HEAT RESISTANCE	D573	HARDNESS (POINTS CHANGE) TENSILE (% CHANGE) ELONGATION (% CHANGE)	+10 MAX. -25 MAX. -30 MAX.	+4 -10 -24
B37 22 HRS @ 175°C	COMPRESSION SET	D395	% COMPRESSION SET	30 MAX.	21
EA14 70 HRS @ 100°C	WATER RESISTANCE	D471	HARDNESS (POINTS CHANGE) VOLUME (% CHANGE)	+/-5 +/-5	+2 +2
EO16 70 HRS @ 150°C	FLUID RESISTANCE	D471	HARDNESS (POINTS CHANGE) TENSILE (% CHANGE) ELONGATION (% CHANGE) VOLUME (% CHANGE)	0 TO -15 -20 -20 0 TO +15	-5 +10 +13 +4
EO36 70 HRS @ 150°C	FLUID RESISTANCE	D471	HARDNESS (POINTS CHANGE) VOLUME (% CHANGE)	-40 +60	-24 +31
F19 3 MIN @ -55°C	LOW TEMPERATURE RESISTANCE	D2137	BRITTLE POINT	NON-BRITTLE	PASS
G11 UNDER 7.0 MPa LOAD	TEAR RESISTANCE	D624 DIE B	MINIMUM kN/m	9	13

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