MATERIAL PROPERTY DATA SHEET
E300-70 SULFUR CURED EPDM

E300-70 is a food grade compound meeting FDA 21 CFR177.2600 requirements for dry and aquious based foods. This sulfur-Cured EPDM provides better Tear Resistance, Abrasion Resistance and cost compared to Peroxide-Cured Systems. EPDM Compounds are frequently used with foods, water and steam applications and offer great resistance to ozone, weathering and a broad range of cleaning chemicals.

ASTM D2000	PHYSICAL PROPERTIES	REQUIREMENTS	TYPICAL RESULTS
CA	ORIGINAL PROPERTIES		
	Durometer, Shore A, D2240, pts	70+/-5	70
	Tensile, D412, MPa (psi), Minimum	10 (1450)	10.6 (1537.4)
	Elongation, D412, % Minimum	200	337
	Modulus @ 100% Elongation, MPa (psi)	-	2.7 (392)
	Specific Gravity, g/cm^3	-	1.18
	Color	-	Black
A25	HEAT AGE, D865, 70 HRS @ 125ºC		
	Durometer Change, Points	+10	-3
	Tensile Strength Change, % Maximum	-20	-18
	Elongation Change, % Maximum	-40	-23
B35	COMPRESSION SET, 22 HRS @ 100ºC (Plied slabs)		
	Deflection, % Maximum	50	42
C32	RESISTANCE TO OZONE, METHOD D1171		
	Quality retention rating, % Minimum	100	100
EA14	WATER RESISTANCE, D471, 70 HRS @ 100ºC		
	Volume Change, % Maximum	+/-5	+1.6
F18	LOW-TEMP RESISTANCE, D2137, METHOD C, 9.3.3		
	Nonbrittle after 3 min at -50ºC	Pass	Pass
G21	TEAR RESISTANCE, D624, DIE C		
	Minimum kN/m	26	38

SPECIFICATIONS MET

ASTM D2000 M5CA 710 A25 B35 C32 EA14 F18 G21
REACH SVHC 209
RoHS 2015/863
California Proposition 65*
Dodd-Frank Consumer Protection Act: No conflict materials (Tantalum, Tin, Tungsten & Gold)
FDA 21 CFR 177.2600

*This compound may contain trace amounts of these impurities included in California Prop 65:

Benz[a]anthracene 56-55-3
Benzo[b]fluoranthene 205-99-2
Benzo[j]fluoranthene 205-82-3
Benzo[k]fluoranthene 207-08-9
Benzo[a]pyrene 50-32-8
Chrysene 218-01-9
Dibenz[a,h]anthracene 53-70-3