Mykin Inc

RE00170 SULFUR-CURED EPDM COMPOUND

GENERAL PROPERTIES
Mykin Inc's Sulfur-Cured EPDM Compound Systems have a temperature use range of -65F to +300F. Sulfur-Cured EPDM is the least costly and provides better tear and abrasion resistance compared to Peroxide-Cured Systems. EPDM Compounds are frequently used with foods, water, steam and phosphate ester fluids (Skydrol) applications and offer the excellent resistance to brake fluids (glycol base), weather, and ozone.
EPDM's are not used with petroleum oils or fuels because significant swelling would result.

ASTM Designation	ORIGINAL PROPERTIES	**ASTM D2000 SPECIFICATION**
	Durometer, Shore A	70 +/- 5
	Tensile, psi (MPa), Minimum	2031 (14)
	Elongation, % Minimum	200
	Specific Gravity	-
A25	HEAT AGE, 70 HRS @ 125 C	
	Durometer Change, Points	+10
	Tensile Strength Change, % Maximum	-20
	Elongation Change, % Maximum	-40
B35	COMPRESSION SET, 22 HRS @ 125 C	
	Original Deflection, % Maximum	50
C32	RESISTANCE TO OZONE	
	ASTM D1171, Method B	Pass
EA14	WATER RESISTANCE , 70 HRS @ 100 C	
	Volume Change, %	+/-5
F17	LOW TEMPERATURE BRITTLENESS	
	ASTM D2137, Method A, 9.3.2	
	3 Minutes @ -40 C	Non-Brittle
G21	TEAR RESISTANCE	
	Method D 624, Die C, Minimum kN/m	26

SPECIFICATIONS MET
* ASTM D2000-01 Grade M5CA714 A25 B35 C32 EA14 F17 G21
* ASTM D2000-75 Grade5CA720 A25 B35 C32 L14 F17 G21
* FDA CFR 177.2600