



SEAL TECH TECHNICAL REPORT V560-75 BLACK FDA FKM (VITON®) COMPOUND

GENERAL PROPERTIES

Fluorocarbon Elastomers (FKM) compounds offer the best resistance to a combination of chemicals, weather, and compression set over a temperature range of -20F to +400F. The ingredients in SEAL TECH's V560-75 are listed in the U.S. Code of Federal Regulations (21 CFR 177.2600) as being acceptable for repeated use in contact with food.

		SEAL TECH V560-75	
ASTM		ASTM D2000	LABORATORY
<u>Designation</u>	<u>ORIGINAL PROPERTIES</u>	<u>SPECIFICATION</u>	<u>PROPERTY</u>
	Durometer, Shore A	75 +/- 5	76
	Tensile, psi (MPa), Minimum	1450 (10)	1773 (12)
	Elongation, % Minimum	150	220
	Specific Gravity	-	1.90
A1-10	<u>HEAT AGE, 70 HRS @ 250 C</u>		
	Durometer Change, Points	+10	+3
	Tensile Strength Change, % Maximum	-25	+4
	Elongation Change, % Maximum	-25	-9
B38	<u>COMPRESSION SET, 22 HRS @ 200 C</u>		
	Original Deflection, % Maximum	15	10.8
C12	<u>RESISTANCE TO OZONE</u>		
	ASTM D1171, Method B	No Cracks	Pass
C20	<u>RESISTANCE TO OUTDOOR AGING</u>		
	ASTM D1171	No Cracks	Pass
EF31	<u>FUEL AGE, 70 HRS @23C in Reference Fuel C</u>		
	Durometer Change, Points	+/-5	-1
	Tensile Change, % Maximum	-25	-14
	Elongation Change, % Maximum	-20	-12
	Volume Change, %	0/+10	+3
EO88	<u>FLUID RESISTANCE, 70 HRS @200C in Stauffer 7700/SAE Fluid No. 2</u>		
	Durometer Change, Points	-15/+5	-6
	Tensile Change, % Maximum	-40	-21
	Elongation Change, % Maximum	-20	-14
	Volume Change, % Maximum	+25	+8

SPECIFICATIONS MET

ASTM D2000-99 Grade M6HK810 A1-10 B38 C12 C20 EF31 EO88
Z1=Meets FDA 177.2600