



SP-V12 FLUOROELASTOMER

GE SPEC A50CD498B

PRODUCT DESCRIPTION: High performance material based on fluoropolymers. Solvent borne two-component compound. Elastomeric material suitable for sealing, electrical, and other applications. Excellent chemical resistance, weather and ozone resistance, very low gas permeability, and high temperature capability.

TYPICAL PROPERTIES:

Tensile strength range	1200-3000 psi
Elongation at break	100-500%
Compression set %	
70 hr. @ 75°	10-15
70 hr. @ 390°	10-30
1000 hr. @ 390°	50-70
Gas permeability	Extremely Low
Radiation resistance	Good
Abrasion resistance	Satisfactory
Weather / Ozone resistance	Excellent
Dielectric strength (Volts/min.)	325 min. ASTM D115
Track resistance (Average value)	40 min. ASTM D2303
Arc resistance	120 min. ASTM D495
Temperature resistance	300-450°F Depending of Conditions
Hydraulic fluid resistance	Outstanding
Solvent resistance	Excellent except Ketones, DMF, THF, and Acetones
Chemical resistance	Outstanding (See resistance list for specific chemicals)
Flammability of cured film	Self extinguishing or non burning in air.
Shelf life	Unmixed – 1 year minimum when stored at 70oF

Mixing Instructions: Add Component 2 to Component 1 and stir well. Pot life 1 hour in open container, 8 hours in closed container.

Cure time: Firm 4 hours @ 75° F, Optimum Properties 48 hours @ 75° F

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