

## Precision Polymer Engineering V97B Fluoroelastomer Compound

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Fluoroelastomer Rubber, 90-98 °IRHD. Terpolymer of vinylidene fluoride, hexafluoropropylene and tetrafluoroethylene. To meet ASTM D2000 line call-out M3HK914, A1-10, B37, B38, EF31, E078, Z1. Where Z1 = hardness 90-98. ASTM designation = FKM. ISO designation = FPM. Applications: A hard, anti-extrusion resistant rubber, specially designed for use in high pressure applications. Excellent resistance to oils, fuels and hydraulic fluids at high temperature.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-V97B-Fluoroelastomer-Compound.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V97B-Fluoroelastomer-Compound.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	°IRHD; ASTM D1415
	97	97	°IRHD, +2 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	13.5 MPa	1960 psi	-10% change after 72 hours @ 250°C; ASTM D412
	15.0 MPa	2180 psi	ASTM D412
Elongation at Break	90 %	90 %	-10% change after 72 hours @ 250°C; ASTM D412
	100 %	100 %	ASTM D412
Compression Set	25 %	25 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	225 °C	437 °F	
Minimum Service Temperature, Air	-10.0 °C	14.0 °F	
Flash Point	>= 315 °C	>= 599 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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