

## Precision Polymer Engineering E80V Ethylene Propylene Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Peroxide cured, blue-violet coloured Ethylene Propylene Terpolymer, 75-85 °IRHD. Terpolymer of ethylene, propylene and diene monomers. Specially formulated for sealing applications involving high voltage electrical equipment. Applications: For sealing sulphur hexafluoride (SF6) gas in electrical distribution equipment, i.e. medium & high voltage switchgear, also scientific equipment such as X-ray generators, electrostatic particle accelerators and electron microscopes. The specially selected fillers used in this compound provide excellent electrical non-conductive properties to the rubber.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-E80V-Ethylene-Propylene-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E80V-Ethylene-Propylene-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	90	90	°IRHD, +10 change after 70 hours @ 125°C; ASTM D1415
Tensile Strength, Yield	9.60 MPa	1390 psi	-20% change after 70 hours @ 125°C; ASTM D412
	12.0 MPa	1740 psi	ASTM D412
Elongation at Break	75.0 %	75.0 %	-40% change after 70 hours @ 125°C; ASTM D412
	125 %	125 %	ASTM D412
Compression Set	15 %	15 %	70 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	
	-45.0 °C	-49.0 °F	Non-brittle after 3 minutes
Flash Point	>= 200 °C	>= 392 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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