

Precision Polymer Engineering E80B Ethylene Propylene Rubber

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

Material Notes:

General Purpose, Ethylene Propylene Terpolymer (EPT) 75-85 IRHD. Terpolymer of ethylene, propylene and diene monomers. ASTM & ISO designation = EPDM. Applications: Excellent water and steam resistance with good compression set properties. Not oil resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E80B-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 @ 100°C; ASTM D1415
Tensile Strength, Yield	8.00 MPa	1160 psi	-20% change after 70 hours @ 100°C; ASTM D412
	10.0 MPa	1450 psi	ASTM D412
Elongation at Break	112.5 %	112.5 %	-25% change after 70 hours @ 100°C; ASTM D412
	150 %	150 %	ASTM D412
Compression Set	35 %	35 %	24 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	Non-brittle after 3 minutes
	-40.0 °C	-40.0 °F	
Flash Point	>= 200 °C	>= 392 °F	

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