

Precision Polymer Engineering E80H Ethylene Propylene Rubber

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

Material Notes:

Sulphur cured, white Ethylene Propylene Terpolymer, 75-85 °IRHD. Terpolymer of ethylene, propylene and diene monomers. Formulated using only those ingredients determined by the United States Federal Food and Drug Administration (FDA) to be in accordance with Code of Federal Regulations Title (CFR21), Section 177.2600. Applications: Material formulated for repeated use with aqueous foodstuffs intended for human consumption.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E80H-Ethylene-Propylene-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	90	90	°IRHD, +10 change after 168 hours @ 125°C; ASTM D1415
Tensile Strength, Yield	8.625 MPa	1251 psi	-25% change after 168 hours @ 125°C; ASTM D412
	11.5 MPa	1670 psi	ASTM D412
Elongation at Break	131.25 %	131.25 %	-25% change after 168 hours @ 125°C; ASTM D412
	175 %	175 %	ASTM D412
Compression Set	10 %	10 %	70 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	
	-40.0 °C	-40.0 °F	Non-brittle after 3 minutes
Flash Point	>= 200 °C	>= 392 °F	

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