

Precision Polymer Engineering E80A Ethylene Propylene Rubber

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

Material Notes:

Blue, Ethylene Propylene Terpolymer (EPT), 75-85 °IRHD. Terpolymer of ethylene, propylene and diene monomers. Formulated using only those ingredients determined by the United States Food and Drug Administration (FDA), in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600. ASTM & ISO designation = EPDM. Applications: Formulated for repeated use with aqueous foodstuffs intended for human consumption. Not suitable for use with fatty foodstuffs.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E80A-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	7.50 MPa	1090 psi	-25% 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	25 %	25 %	22 hours @ 70°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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