

Precision Polymer Engineering E90Q Ethylene Propylene Rubber

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

Material Notes:

Peroxide cured, Ethylene Propylene Terpolymer, 85-95 °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 21 (CFR21), Section 177.2600. To meet ASTM D2000/SAE J200 line call-out M8CA910, A25, B35, C32, EA14, F17. Applications: Excellent water and steam resistance with good compression set properties. Heat and chemical resistance is superior to that of sulphur cured EPDM.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E90Q-Ethylene-Propylene-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	°IRHD; ASTM D1415
	100	100	°IRHD, +10 change after 70 hours @ 125°C; ASTM D1415
Tensile Strength, Yield	8.00 MPa	1160 psi	-20% change after 70 hours @ 125°C; ASTM D412
	10.0 MPa	1450 psi	ASTM D412
Elongation at Break	60.0 %	60.0 %	-40% change after 70 hours @ 125°C; ASTM D412
	100 %	100 %	ASTM D412
Compression Set	50 %	50 %	22 hours @ 125°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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