

Precision Polymer Engineering E85Q Ethylene Propylene Rubber

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

Material Notes:

Peroxide cured, 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 21 (CFR21), Section 177.2600. ASTM & ISO designation = EPDM. Applications: Excellent water and steam resistance. For repeated use in equipment associated primarily with the production of aqueous foodstuff intended for human consumption.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E85Q-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	13.6 MPa	1970 psi	-20% change after 70 hours @ 125°C; ASTM D412
	17.0 MPa	2470 psi	ASTM D412
Elongation at Break	111 %	111 %	-40% change after 70 hours @ 125°C; ASTM D412
	185 %	185 %	ASTM D412
Compression Set	12 %	12 %	22 hours @ 150°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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