

Precision Polymer Engineering E70K Ethylene Propylene Rubber

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

Material Notes:

General purpose, peroxide cured, Ethylene Propylene Terpolymer, 70-75 °IRHD. Terpolymer of ethylene, propylene and diene monomers. To meet ASTM D2000/SAE J200 line call-out M5CA710, A25, B35, C32, EA14, F17. Applications: Excellent water and steam resistance with good compression set properties. Better heat and chemical resistance than sulphur cured EPDM. Not mineral oil resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E70K-Ethylene-Propylene-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	°IRHD; ASTM D1415
	77	77	°IRHD, +3 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	14.454 MPa	2096.4 psi	-1% change after 70 hours @ 100°C; ASTM D412
	14.6 MPa	2120 psi	ASTM D412
Elongation at Break	179.78 %	179.78 %	-11% change after 70 hours @ 100°C; ASTM D412
	202 %	202 %	ASTM D412
Compression Set	5.0 %	5.0 %	24 hours @ 125°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Flash Point	>= 200 °C	>= 392 °F	

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