

Precision Polymer Engineering H80B Epichlorohydrin

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

Material Notes:

Peroxide Cured, Epichlorohydrin Rubber, 75-85 °IRHD. Terpolymer of epichlorohydrin, ethylene oxide and an unsaturated monomer. To ASTM D2000 line call-out: M3CH608, A25, B14, E016, E036, F17. ASTM and ISO designation = GECO. Applications: Excellent resistance to petroleum based oils and fuels. Becoming widely used in military and automotive applications where its low and high temperature operating range is superior to that of nitrile. Good resistance to water, acids, ozone and weathering.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-H80B-Epichlorohydrin.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	80 - 95	80 - 95	°IRHD, 0 to +15 change after 70 hours @ 125°C; ASTM D1415
Tensile Strength, Yield	5.25 MPa	761 psi	-25% change after 70 hours @ 125°C; ASTM D412
	7.00 MPa	1020 psi	ASTM D412
Elongation at Break	50 %	50 %	-50% change after 70 hours @ 125°C; ASTM D412
	100 %	100 %	ASTM D412
Compression Set	25 %	25 %	22 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	
	-40.0 °C	-40.0 °F	Non-brittle after 3 minutes
Flash Point	>= 250 °C	>= 482 °F	

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