

Precision Polymer Engineering C50M Chloroprene Rubber

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

Material Notes:

Chloroprene Rubber, 46-55 °IRHD. Formulated to meet British Standard BS2752 grade C50. Applications: A versatile rubber with good compression set properties, giving moderate resistance to petroleum based oils, ozone and weather.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-C50M-Chloroprene-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	°IRHD; ASTM D1415
	51	51	°IRHD, +3 change after 168 hours @ 70°C; ASTM D1415
Tensile Strength, Yield	12.25 MPa	1777 psi	ASTM D412
	14.21 MPa	2061 psi	16% change after 168 hours @ 70°C; ASTM D412
Elongation at Break	237 %	237 %	ASTM D412
	237 %	237 %	0% change after 168 hours @ 70°C; ASTM D412
Compression Set	27 %	27 %	24 hours @ 70°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	
	-40.0 °C	-40.0 °F	Non-brittle after 3 minutes
Flash Point	>= 260 °C	>= 500 °F	

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