

Precision Polymer Engineering N70M Nitrile Rubber

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

Material Notes:

Nitrile Butadiene Rubber (NBR), 68-78 °IRHD. Copolymer of acrylonitrile and butadiene. To meet BS2751 BA70 and ASTM D2000/SAE J200 line call-out 2MBG 714, B14, EA14, EF11, EF21, EO14, EO34, F17. Applications: Excellent resistance to petroleum based oils and fuels.

Excellent compression set, tear and abrasion resistance. Good water resistance, but poor against ozone and weather.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N70M-Nitrile-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	°IRHD; ASTM D1415
	70 - 85	70 - 85	°IRHD, 10 to -5 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	13.0 MPa	1890 psi	ASTM D412
	12.35 - 13.65 MPa	1791 - 1980 psi	±5% change after 70 hours @ 100°C; ASTM D412
Elongation at Break	280 %	280 %	-20% change after 70 hours @ 100°C; ASTM D412
	350 %	350 %	ASTM D412
Compression Set	25 %	25 %	24 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
	-40.0 °C	-40.0 °F	Non-brittle after 3 minutes
Flash Point	>= 300 °C	>= 572 °F	

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