

Precision Polymer Engineering N70X Nitrile Rubber

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

Material Notes:

Self-lubricating, Nitrile Butadiene Rubber (NBR), 65-75 °IRHD. Copolymer of acrylonitrile and butadiene. Special fillers incorporated to enhance operation in dynamic sealing applications. Applications: Excellent resistance to petroleum based oils and fuels. Good compression set, tear and abrasion resistance. Specially compounded for use in dynamic sealing applications requiring a low surface co-efficient of friction.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N70X-Nitrile-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	85	85	°IRHD, +15 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	11.2 MPa	1620 psi	-20% change after 70 hours @ 100°C; ASTM D412
	14.0 MPa	2030 psi	ASTM D412
Elongation at Break	150 %	150 %	-40% change after 70 hours @ 100°C; ASTM D412
	250 %	250 %	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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