

Precision Polymer Engineering N60N Nitrile Rubber

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

Material Notes:

Nitrile Butadiene Rubber (NBR) 55-65 °IRHD. Copolymer of acrylonitrile and butadiene. To meet Aerospace Material Specification DTD5595A Grade 60. Applications: Synthetic rubber resistant to petroleum-based fuels and diester-based lubricants. They are unsuitable for use in contact with phosphate ester hydraulic fluids and have poor ozone resistance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N60N-Nitrile-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	°IRHD; ASTM D1415
	60 - 70	60 - 70	°IRHD, -0/+10 change after 168 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	8.10 MPa	1170 psi	-10% change after 168 hours @ 100°C; ASTM D412
	9.00 MPa	1310 psi	ASTM D412
Elongation at Break	195 %	195 %	-35% change after 168 hours @ 100°C; ASTM D412
	300 %	300 %	ASTM D412
Compression Set	25 %	25 %	24 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
	-30.0 °C	-22.0 °F	Temperature at which stiffness does not exceed 70 Mpa
Flash Point	>= 300 °C	>= 572 °F	

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