

Precision Polymer Engineering N70L Nitrile Rubber

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

Material Notes:

Nitrile Butadiene Rubber (NBR), 70 °IRHD. Low- Med acrylonitrile (ACN) content. Copolymer of acrylonitrile and butadiene. To meet: ASTM D2000/SAE J200 line call-out: M5BG710, A14, B14, E014, E034, F17. Applications: The low acrylonitrile content of this compound provides excellent low temperature flexibility, in sealing conditions where resistance to mineral oil, alcohol, paraffin and low-aromatic petrol is required. Not recommended for use with acetone, benzene, chlorinated solvents or high-aromatic petrol. Good water resistance but poor against ozone and weather.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N70L-Nitrile-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	55 - 85	55 - 85	°IRHD, ±15 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	>= 8.00 MPa	>= 1160 psi	-20% change after 70 hours @ 100°C; ASTM D412
	>= 10.0 MPa	>= 1450 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 %	22 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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