

Precision Polymer Engineering N75L Nitrile Rubber

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

Material Notes:

Nitrile Butadiene Rubber (NBR), 65-75 °IRHD. Ultra-Low acrylonitrile (ACN) content. Copolymer of acrylonitrile and butadiene. To meet ASTM D2000/SAE J200 line call-out: MBF710, B34, F19. Applications: Specifically formulated for use in pure air systems. The low acrylonitrile content of this compound provides excellent resistance to mineral oil, alcohol, paraffin and low-aromatic petrol in sub-zero temperature applications. 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-N75L-Nitrile-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	73	73	°IRHD, +3 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	10.8 MPa	1570 psi	-10% change after 70 hours @ 100°C; ASTM D412
	12.0 MPa	1740 psi	ASTM D412
Elongation at Break	214.5 %	214.5 %	-22% change after 70 hours @ 100°C; ASTM D412
	275 %	275 %	ASTM D412
Compression Set	15 %	15 %	24 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 °C	275 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
	-56.0 °C	-68.8 °F	Non-brittle after 3 minutes
Flash Point	>= 300 °C	>= 572 °F	

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