

Precision Polymer Engineering N70V Nitrile Rubber

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

Material Notes:

Nitrile Butadiene/PVC Rubber, 65-75 °IRHD. Copolymer of acrylonitrile and butadiene blended with PVC. Applications: Excellent resistance in sealing applications against petroleum and mineral based fuels and oils. Compounded with PVC to provide improved resistance to ozone and weathering.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N70V-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	21.0 MPa	3050 psi	ASTM D412
	14.7 - 27.3 MPa	2130 - 3960 psi	±30% change after 70 hours @ 100°C; ASTM D412
Elongation at Break	175 %	175 %	-50% change after 70 hours @ 100°C; ASTM D412
	350 %	350 %	ASTM D412
Compression Set	50 %	50 %	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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