

Precision Polymer Engineering N60K Nitrile Rubber

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

Material Notes:

Peroxide Cured, Nitrile Butadiene Rubber (NBR), 55-65 °IRHD. Copolymer of acrylonitrile and butadiene. Formulated using only those ingredients determined by the United States Food and Drug Administration (FDA) to be in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600. Applications: Formulation designed for repeated use in equipment associated with the production of foodstuffs intended for human consumption.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N60K-Nitrile-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	°IRHD; ASTM D1415
	75	75	°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	180 %	180 %	-40% change after 70 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	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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