

Precision Polymer Engineering N60W Nitrile Rubber

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

Material Notes:

White 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: Material formulated 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-N60W-Nitrile-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	57	57	°IRHD; ASTM D1415
	67	67	°IRHD, +10 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	11.7 MPa	1700 psi	-10% change after 70 hours @ 100°C; ASTM D412
	13.0 MPa	1890 psi	ASTM D412
Elongation at Break	262.5 %	262.5 %	-25% change after 70 hours @ 100°C; ASTM D412
	350 %	350 %	ASTM D412
Compression Set	45 %	45 %	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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