

Precision Polymer Engineering N70W Nitrile Rubber

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

Material Notes:

White Nitrile Butadiene Rubber (NBR), 66-75 °IRHD. Copolymer of acrylonitrile and butadiene. Formulated using only those ingredients determined by the United States Federal Food and Drug Administration (FDA) to be in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600 and Section 180.22. Water, Hexane and acrylonitrile extraction tested.Applications: For repeated use in equipment associated with the production of aqueous and fatty foodstuffs intended for human consumption.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N70W-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	11.2 MPa	1620 psi	-20% change after 70 hours @ 100°C; ASTM D412
	14.0 MPa	2030 psi	ASTM D412
Elongation at Break	150 %	150 %	-40% change after 70 hours @ 100°C; ASTM D412
	250 %	250 %	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	

Descriptive Properties	Value	Comments
Extraction Test, 21 CFR 177.2600	pass	Distilled Water
	pass	n-Hexane
	pass	Acrylonitrile monomer

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China