

Precision Polymer N70W

Acrylonitrile Butadiene Rubber
Precision Polymer Engineering Ltd.

Message:

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.
For repeated use in equipment associated with the production of aqueous and fatty foodstuffs intended for human consumption.

General Information			
Features	Copolymer		
	Compliance of Food Exposure		
Agency Ratings	FDA 21 CFR 177.2600		
Hardness	Nominal Value		Test Method
IRHD Hardness	70		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	250	%	ASTM D412, ISO 37
Compression Set			
100°C, 24 hr	50	%	ASTM D395B
100°C, 24 hr ¹	50	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 70 hr)	-20	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (100°C, 70 hr)	-40	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (100°C, 70 hr)	-15 - 15		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	120	°C	
Low Temperature Resistance - Non-brittle after 3 minutes	-40	°C	
Additional Information	Nominal Value	Unit	
Minimum Operating Temperature: -40°C (-40°F)			
NOTE			

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