

## Precision Polymer Engineering N70N Nitrile Rubber

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

### Material Notes:

Nitrile Butadiene Rubber (NBR) 66-75 °IRHD. Copolymer of acrylonitrile and butadiene. To meet Aerospace Material Specification DTD5595A Grade 70. Applications: Synthetic rubber resistant to petroleum-based fuels and diester-based lubricants. Unsuitable for use in contact with phosphate ester hydraulic fluids.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-N70N-Nitrile-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N70N-Nitrile-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	70 - 78	70 - 78	°IRHD, -0/+8 change after 168 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	9.45 MPa	1370 psi	-10% change after 168 hours @ 100°C; ASTM D412
	10.5 MPa	1520 psi	ASTM D412
Elongation at Break	161 %	161 %	-30% change after 168 hours @ 100°C; ASTM D412
	230 %	230 %	ASTM D412
Compression Set	13.5 %	13.5 %	24 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
	-25.0 °C	-13.0 °F	Temperature at which stiffness does not exceed 70 Mpa
Flash Point	>= 300 °C	>= 572 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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