

## Precision Polymer Engineering N80N Nitrile Rubber

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

### Material Notes:

Nitrile Rubber, 76-85 °IRHD. Copolymer of acrylonitrile and butadiene. Meets Aerospace Specification DTD5595A Grade 80. ASTM designation = NBR. ISO designation = NBR. Applications: Sealing petroleum-based fuels and diester-based lubricants. Unsuitable for use in contact with phosphate ester hydraulic fluids. Poor ozone and weather resistance.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-N80N-Nitrile-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N80N-Nitrile-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	88	88	°IRHD, +8 change after 168 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	9.90 MPa	1440 psi	-10% change after 168 hours @ 100°C; ASTM D412
	11.0 MPa	1600 psi	ASTM D412
Elongation at Break	105 %	105 %	-30% change after 168 hours @ 100°C; ASTM D412
	150 %	150 %	ASTM D412
Compression Set	13 %	13 %	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	
	-15.0 °C	5.00 °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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