

## Precision Polymer Engineering N80X Nitrile Rubber

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

### Material Notes:

Self-lubricating, Nitrile Rubber, 75-85 °IRHD. Copolymer of acrylonitrile and butadiene. Special filler incorporated to enhance operation in dynamic sealing applications. ASTM & ISO designation = NBR. Applications: Excellent resistance to petroleum based oils and fuels. Good compression set, tear and abrasion resistance. Specially compounded for use in dynamic sealing applications requiring a low surface coefficient of friction.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-N80X-Nitrile-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N80X-Nitrile-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	95	95	°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	75.0 %	75.0 %	-40% change after 70 hours @ 100°C; ASTM D412
	125 %	125 %	ASTM D412
Compression Set	25 %	25 %	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	

## Contact Songhan Plastic Technology Co.,Ltd.

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