

## Precision Polymer Engineering N90L Nitrile Rubber

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

### Material Notes:

Low Nitrile Rubber, 85-95 °IRHD. Low acrylonitrile (ACN) content. Copolymer of acrylonitrile and butadiene. ASTM designation = NBR. ISO designation = NBR. ASTM D2000 line call-out M6BG907, A14, B14, EO14, EO34, F17. Applications: The low acrylonitrile content of this compound provides excellent low temperature flexibility, in sealing conditions where resistance to mineral oil, alcohol, paraffin and low-aromatic petrol is required. Not recommended for use with acetone, benzene, chlorinated solvents or high-aromatic petrol. Good water resistance but poor against ozone and weather.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-N90L-Nitrile-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N90L-Nitrile-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	°IRHD; ASTM D1415
	105	105	°IRHD, +15 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	5.60 MPa	812 psi	-20% change after 70 hours @ 100°C; ASTM D412
	7.00 MPa	1020 psi	ASTM D412
Elongation at Break	60.0 %	60.0 %	-40% change after 70 hours @ 100°C; ASTM D412
	100 %	100 %	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	-35.0 °C	-31.0 °F	
	-30.0 °C	-22.0 °F	Non-brittle after 3 minutes
Flash Point	>= 300 °C	>= 572 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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