

## Precision Polymer Engineering N80L Nitrile Rubber

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

**Material Notes:**

Nitrile Butadiene Rubber, 75-85 °IRHD. Low acrylonitrile (ACN) content. Copolymer of acrylonitrile and butadiene. To meet ASTM D2000 line call-out M6BG814, A14, B14, E014, E034, 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-N80L-Nitrile-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N80L-Nitrile-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	85	85	°IRHD, +5 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	8.00 MPa	1160 psi	-20% change after 70 hours @ 100°C; ASTM D412
	10.0 MPa	1450 psi	ASTM D412
Elongation at Break	100 %	100 %	-20% change after 70 hours @ 100°C; ASTM D412
	125 %	125 %	ASTM D412
Compression Set	30 %	30 %	24 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 °C	230 °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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China