

## Precision Polymer Engineering N70H Nitrile Rubber

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

### Material Notes:

Nitrile Butadiene Rubber (NBR), 65-75 °IRHD. High acrylonitrile (ACN) content. Copolymer of acrylonitrile and butadiene. Applications: The high acrylonitrile content of this rubber increases resistance to heat plus petroleum based oils and fuels, but decreases low temperature flexibility. Good water resistance but poor against ozone and weather.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-N70H-Nitrile-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N70H-Nitrile-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	°IRHD; ASTM D1415
	82	82	°IRHD, +10 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D412
	10.5 MPa	1520 psi	5% change after 70 hours @ 100°C; ASTM D412
Elongation at Break	160 %	160 %	-20% change after 70 hours @ 100°C; ASTM D412
	200 %	200 %	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	Non-brittle after 3 minutes
	-35.0 °C	-31.0 °F	
Flash Point	>= 300 °C	>= 572 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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