

## Precision Polymer Engineering Z85L Hydrogenated NBR Compound

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

### Material Notes:

Peroxide Cured, Hydrogenated Nitrile Rubber, 81-90 °IRHD. Low acrylonitrile content. Applications: Specially compounded for service in low-temperature applications. High strength and excellent chemical resistance. Higher operating temperature than standard nitrile.

Suitable for use with sour (H<sub>2</sub>S) crude oil and gas, which may also include lubricating, oil additives and amine corrosion inhibitors. Good resistance to weathering and ozone.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-Z85L-Hydrogenated-NBR-Compound.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Z85L-Hydrogenated-NBR-Compound.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	°IRHD; ASTM D1415
	94	94	°IRHD, +9 change after 70 hours @ 150°C; ASTM D1415
Tensile Strength, Yield	18.3 MPa	2650 psi	ASTM D412
	20.13 MPa	2920 psi	10% change after 70 hours @ 150°C; ASTM D412
Elongation at Break	165.75 %	165.75 %	-15% change after 70 hours @ 150°C; ASTM D412
	195 %	195 %	ASTM D412
Compression Set	21 %	21 %	24 hours @ 150°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 °C	356 °F	
Minimum Service Temperature, Air	-30.0 °C	-22.0 °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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