

## Precision Polymer Engineering Z95X Hydrogenated NBR Compound

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

### Material Notes:

Peroxide cured, Hydrogenated Nitrile Rubber, 85-95 °IRHD. Medium acrylonitrile content (ACN = 36%). ASTM designation = HNBR. Applications: Gas blister resistant compound designed for use in applications where explosive decompression may occur. 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. High mechanical strength and excellent chemical resistance.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-Z95X-Hydrogenated-NBR-Compound.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Z95X-Hydrogenated-NBR-Compound.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	89	89	°IRHD; ASTM D1415
	91	91	°IRHD, +2 change after 70 hours @ 150°C; ASTM D1415
Tensile Strength, Yield	32.1 MPa	4660 psi	ASTM D412
	33.22 MPa	4819 psi	3.5% change after 70 hours @ 150°C; ASTM D412
Elongation at Break	264 %	264 %	ASTM D412
	273.24 %	273.24 %	3.5% change after 70 hours @ 150°C; ASTM D412
Compression Set	20 %	20 %	22 hours @ 150°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 °C	356 °F	
Minimum Service Temperature, Air	-25.0 °C	-13.0 °F	
	-25.0 °C	-13.0 °F	Non-brittle after 3 minutes
Flash Point	>= 300 °C	>= 572 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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