

## Precision Polymer Engineering Z95Z Hydrogenated NBR Compound

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

### Material Notes:

Peroxide cured and methacrylate modified, hydrogenated nitrile rubber, 80-92 °IRHD. Medium acrylonitrile content (ACN=36%). ASTM designation = HNBR. Applications: For uses where very high physical properties, abrasion resistance, low hysteresis and excellent flex-life are required. Where applicable, designed to withstand solutions between 3.5 to 13 pH and fluids similar to ASTM #1 oil and hot water, but also capable of maintaining physical properties at high temperatures.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-Z95Z-Hydrogenated-NBR-Compound.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Z95Z-Hydrogenated-NBR-Compound.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	°IRHD; ASTM D1415
	91	91	°IRHD, +9 change after 70 hours @ 150°C; ASTM D1415
Tensile Strength, Yield	17.3 MPa	2510 psi	ASTM D412
	19.895 MPa	2885.5 psi	15% change after 70 hours @ 150°C; ASTM D412
Elongation at Break	382.2 %	382.2 %	-9% change after 70 hours @ 150°C; ASTM D412
	420 %	420 %	ASTM D412
Compression Set	40 %	40 %	24 hours @ 150°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 °C	356 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	
Flash Point	>= 300 °C	>= 572 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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