

Precision Polymer Engineering Z65L Hydrogenated NBR Compound

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

Material Notes:

Peroxide Cured, Hydrogenated Nitrile Rubber, 60-65 °IRHD. Low acrylonitrile content (ACN = 17%). ASTM designation = HNBR. Applications: High strength and excellent chemical resistance. Higher operating temperature than standard nitrile. Suitable for use with sour (H2S) 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-Z65L-Hydrogenated-NBR-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	°IRHD; ASTM D1415
	62	62	°IRHD, +2 change after 70 hours @ 150°C; ASTM D1415
Tensile Strength, Yield	13.6 MPa	1970 psi	ASTM D412
	14.96 MPa	2170 psi	10% change after 70 hours @ 150°C; ASTM D412
Elongation at Break	224.4 %	224.4 %	-12% change after 70 hours @ 150°C; ASTM D412
	255 %	255 %	ASTM D412
Compression Set	9.4 %	9.4 %	24 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 °C	356 °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	

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