

Precision Polymer Engineering Z75L Hydrogenated NBR Compound

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

Material Notes:

Peroxide Cured, Hydrogenated Nitrile Rubber, 75-85 °IRHD. Low acrylonitrile content (ACN = 17%). 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 (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-Z75L-Hydrogenated-NBR-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	90	90	°IRHD, +10 change after 70 hours @ 150°C; ASTM D1415
Tensile Strength, Yield	11.25 MPa	1632 psi	-25% change after 70 hours @ 150°C; ASTM D412
	15.0 MPa	2180 psi	ASTM D412
Elongation at Break	84 %	84 %	-30% change after 70 hours @ 150°C; ASTM D412
	120 %	120 %	ASTM D412
Compression Set	30 %	30 %	22 hours @ 150°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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