

Precision Polymer Engineering Z80B Hydrogenated NBR Compound

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

Material Notes:

Peroxide cured, Hydrogenated Nitrile Rubber, 75-80 °IRHD. Medium acrylonitrile content (ACN = 33.5%). ASTM designation = HNBR. ASTM D2000 line call-out 4MDH716, A26, B36, E016, E036, F14, Z1. Z1 = hardness 75-80. 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-Z80B-Hydrogenated-NBR-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	°IRHD; ASTM D1415
	87	87	°IRHD, +10 change after 70 hours @ 150°C; ASTM D1415
Tensile Strength, Yield	12.0 MPa	1740 psi	-25% change after 70 hours @ 150°C; ASTM D412
	16.0 MPa	2320 psi	ASTM D412
Elongation at Break	175 %	175 %	-30% change after 70 hours @ 150°C; ASTM D412
	250 %	250 %	ASTM D412
Compression Set	35 %	35 %	22 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	
	-18.0 °C	-0.400 °F	Non-brittle after 3 minutes
Flash Point	>= 300 °C	>= 572 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China