

Precision Polymer Engineering R90B Natural Rubber

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

Material Notes:

Natural Rubber, 85-95 °IRHD. This material is based on high-quality plantation (Hevea) rubber, reinforced with carbon black. Applications:

Natural rubber offers low compression set, high tensile strength, high resilience and excellent resistance to tear and abrasion.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-R90B-Natural-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	°IRHD; ASTM D1415
	75 - 105	75 - 105	°IRHD, ±15 change after 168 hours @ 70°C; ASTM D1415
Tensile Strength, Yield	8.00 MPa	1160 psi	ASTM D412
	5.60 - 10.4 MPa	812 - 1510 psi	±30% change after 168 hours @ 70°C; ASTM D412
Elongation at Break	100 %	100 %	-50% change after 168 hours @ 70°C; ASTM D412
	200 %	200 %	ASTM D412
Compression Set	50 %	50 %	24 hours @ 70°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	
Flash Point	>= 300 °C	>= 572 °F	

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