

Precision Polymer Engineering R70Z Natural Rubber

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

Material Notes:

Natural Rubber, 65-75 °IRHD. Formulated to meet BS1154 Grade Z70. In accordance with BS1154 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-R70Z-Natural-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	70 - 72	70 - 72	°IRHD, -0/+2 change after 168 hours @ 70°C; ASTM D1415
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D412
	20.52 MPa	2976 psi	8% change after 168 hours @ 70°C; ASTM D412
Elongation at Break	410.31 %	410.31 %	-3% change after 168 hours @ 70°C; ASTM D412
	423 %	423 %	ASTM D412
Compression Set	22 %	22 %	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	
	-40.0 °C	-40.0 °F	Non-brittle after 3 minutes
Flash Point	>= 300 °C	>= 572 °F	

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