

Precision Polymer Engineering R50Y Natural Rubber

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

Material Notes:

Non-black, Natural Rubber, 45-55 °IRHD. Formulated to meet BS1154 Grade Y50. In accordance with BS1154 this material is based on high-quality plantation (Hevea) rubber and is reinforced using zinc oxide only. 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-R50Y-Natural-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	°IRHD; ASTM D1415
Tensile Strength, Yield	15.3 MPa	2220 psi	-10% change after 168 hours @ 70°C; ASTM D412
	17.0 MPa	2470 psi	ASTM D412
Elongation at Break	425 %	425 %	-15% change after 168 hours @ 70°C; ASTM D412
	500 %	500 %	ASTM D412
Compression Set	30 %	30 %	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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