

Precision Polymer Engineering B60B Styrene Butadiene Rubber

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

Material Notes:

Styrene-Butadiene Rubber (SBR) 55-65 °IRHD. Copolymer of styrene and butadiene. Applications: Good sealing resistance to brake fluids and water. Poor against petroleum oils, solvents and weather. The use of SBR in automotive brake systems has now been superseded by EPDM.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-B60B-Styrene-Butadiene-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	°IRHD; ASTM D1415
	63	63	°IRHD, +3 change after 72 hours @ 70°C; ASTM D1415
Tensile Strength, Yield	9.94 MPa	1440 psi	-29% change after 72 hours @ 70°C; ASTM D412
	14.0 MPa	2030 psi	ASTM D412
Elongation at Break	400 %	400 %	ASTM D412
	488 %	488 %	22% change after 72 hours @ 70°C; 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	-40.0 °C	-40.0 °F	
Flash Point	>= 200 °C	>= 392 °F	

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