

Precision Polymer Engineering Q65B Polyurethane Rubber

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Sulphur cured, Polyurethane Rubber, 55-65 °IRHD. Polyester-based urethane. To meet ASTM line call-out M5BG621, B14, E014, E034.

ASTM & ISO designation = AU.Applications: Excellent abrasion resistance and tensile strength, with fluid compatibility approaching that of NBR. Polyurethane seals provide outstanding performance in hydraulic systems, which are prone to abrasive contamination and high shock loads. Good resistance to weathering and ozone but poor against water and high temperature.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Q65B-Polyurethane-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	°IRHD; ASTM D1415
	75	75	°IRHD, +15 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	16.8 MPa	2440 psi	-20% change after 70 hours @ 100°C; ASTM D412
	21.0 MPa	3050 psi	ASTM D412
Elongation at Break	210 %	210 %	-40% change after 70 hours @ 100°C; ASTM D412
	350 %	350 %	ASTM D412
Compression Set	25 %	25 %	70 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-35.0 °C	-31.0 °F	Non-brittle after 3 minutes
	-30.0 °C	-22.0 °F	
Flash Point	>= 204 °C	>= 399 °F	

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