

Precision Polymer Engineering P90B Polyacrylate Rubber

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

Material Notes:

Polyacrylic or Polyacrylate Rubber, 85-95 °IRHD. Copolymer of ethyl acrylate and vinyl ether. ASTM & ISO designation = ACM. Applications: Extensively used in automotive transmission systems. Superior resistance to heat and deterioration by hot hydraulic oil, when compared to nitrile rubber. Resistance to weathering and ozone is good, but resistance to water is relatively poor.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-P90B-Polyacrylate-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	°IRHD; ASTM D1415
	100	100	°IRHD, +10 change after 70 hours @ 150°C; ASTM D1415
Tensile Strength, Yield	6.30 MPa	914 psi	-30% change after 70 hours @ 150°C; ASTM D412
	9.00 MPa	1310 psi	ASTM D412
Elongation at Break	60.0 %	60.0 %	-40% change after 70 hours @ 150°C; ASTM D412
	100 %	100 %	ASTM D412
Compression Set	35 %	35 %	70 hours @ 150°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-15.0 °C	5.00 °F	
	-15.0 °C	5.00 °F	T10
Flash Point	>= 250 °C	>= 482 °F	

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