

Precision Polymer Engineering J70M Butyl Rubber

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

Material Notes:

Bromobutyl Rubber, 65-75 IRHD. Brominated isobutylene-isoprene copolymer. To meet BS3227 Grade 70 and ASTM D2000 line call-out MBA708, F17. Applications: Bromobutyl is resistant to the same fluids as Ethylene Propylene (EPDM). It has excellent resistance to gas permeation. Except for its gas permeation resistance, Butyl is considered to be inferior to EPDM for O-Ring service.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-J70M-Butyl-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	55 - 85	55 - 85	°IRHD, ±15 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	9.00 MPa	1310 psi	ASTM D412
	6.30 - 11.7 MPa	914 - 1700 psi	±30% change after 70 hours @ 100°C; ASTM D412
Elongation at Break	175 %	175 %	-50% change after 70 hours @ 100°C; ASTM D412
	350 %	350 %	ASTM D412
Compression Set	40 %	40 %	72 hours @ 70°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 °C	230 °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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