

Precision Polymer Engineering J70P Butyl Rubber

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

Material Notes:

Phenolic/Resin cured Butyl Rubber, 65-75 IRHD. Isobutylene-Isoprene Rubber. Applications: Butyl is resistant to the same fluids as Ethylene Propylene (EPDM). It has excellent resistance to gas permeation and is especially effective in vacuum applications. Butyl offers good resistance to weathering and ozone but is poor against hydrocarbon based oils and greases. Except for gas permeation resistance, Butyl has been superseded by EPDM.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-J70P-Butyl-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	71	71	°IRHD, +1 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	8.5974 MPa	1246.9 psi	-3.4% change after 70 hours @ 100°C; ASTM D412
	8.90 MPa	1290 psi	ASTM D412
Elongation at Break	226.07 %	226.07 %	-3.8% change after 70 hours @ 100°C; ASTM D412
	235 %	235 %	ASTM D412
Compression Set	5.0 %	5.0 %	24 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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