

Isoflon PTFE + 40% Bronze Polytetrafluoroethylene with 40% Bronze

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Bronze Filled

Material Notes:

Properties:Excellent wear and compression resistance (low cold creep)Good thermal conductivityImproved coefficient of friction when combined with Mos^Å2 or graphiteApplications: Dynamic seals for wear resistance under high pressure, but when resistance to chemical corrosion is not a necessity.Information provided by Isoflon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Isoflon-PTFE-40-Bronze-Polytetrafluoroethylene-with-40-Bronze.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.09 - 3.14 g/cc	3.09 - 3.14 g/cc	ASTM D792
Deformation	4.0 - 5.0 % @Time 86400 sec	4.0 - 5.0 % @Time 24.0 hour	Permanent, after Relaxation; ASTM D695
	7.0 - 10 % @Pressure 0.0000140 MPa, Time 86400 sec	7.0 - 10 % @Pressure 0.00203 psi, Time 24.0 hour	Under Load; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65 - 70	65 - 70	ASTM D2240
Tensile Strength	20.0 - 25.0 MPa	2900 - 3630 psi	ASTM D4894
Elongation at Break	250 - 300 %	250 - 300 %	ASTM D4894

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 Å°C	500 Å°F	
Minimum Service Temperature, Air	-200 Å°C	-328 Å°F	

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