

Isoflon PTFE + 50% Stainless Steel (AISI 316 L) Polytetrafluoroethylene with 50% INOX Stainless Steel

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Properties: Improved compression resistance (very low cold flow) Low permeability Applications: Dynamic seals operating under high pressure and when chemical resistance is a necessity. Information provided by Isoflon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Isoflon-PTFE-50-Stainless-Steel-AISI-316-L-Polytetrafluoroethylene-with-50-INOX-Stainless-Steel.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.36 - 3.41 g/cc	3.36 - 3.41 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65 - 70	65 - 70	ASTM D2240
Tensile Strength	15.0 - 20.0 MPa	2180 - 2900 psi	ASTM D4894
Elongation at Break	120 - 180 %	120 - 180 %	ASTM D4894

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

Compliance Properties	Metric	English	Comments
FDA	No	No	

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