

Mitsubishi Iupital® F10-02 High Viscosity Acetal Copolymer

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mitsubishi-Iupital-F10-02-High-Viscosity-Acetal-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Water Absorption	0.22 %	0.22 %	24 Hr.; ASTM D570
Linear Mold Shrinkage	0.022 cm/cm	0.022 in/in	ASTM D955
Melt Flow	2.5 g/10 min	2.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	78	78	ASTM D785
Tensile Strength, Yield	60.3 MPa @Thickness 3.17 mm	8750 psi @Thickness 0.125 in	ASTM D638
Elongation at Break	65 % @Thickness 3.17 mm	65 % @Thickness 0.125 in	ASTM D638
Flexural Strength	88.3 MPa @Thickness 3.17 mm	12800 psi @Thickness 0.125 in	ASTM D790
Flexural Modulus	2.57 GPa @Thickness 3.17 mm	373 ksi @Thickness 0.125 in	ASTM D790
Izod Impact, Notched	0.742 J/cm @Thickness 3.17 mm	1.39 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	158 °C	316 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	ASTM D648
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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