

Iupital® FT2010

Acetal (POM) Copolymer

Mitsubishi Engineering-Plastics Corp

Message:

Iupital® FT2010 is an Acetal (POM) Copolymer material filled with 10% whisker. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Iupital® FT2010: Flame Rated.

General Information			
UL YellowCard	E41179-231689		
Filler / Reinforcement	Whisker, 10% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	5.90	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	1.7	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.23	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5200	MPa	ISO 527-2
Tensile Stress (Break)	73.0	MPa	ISO 527-2
Tensile Strain (Break)	5.5	%	ISO 527-2
Flexural Modulus	4800	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	90	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	160	°C	ISO 75-2/B
1.8 MPa, Unannealed	140	°C	ISO 75-2/A
Melting Temperature	166	°C	ISO 11357-3
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	170	°C	
Middle Temperature	180	°C	

Front Temperature	190	°C
Nozzle Temperature	180 to 210	°C
Mold Temperature	60.0 to 100	°C
Injection Pressure	50.0 to 100	MPa
Injection Rate	Moderate	
Screw Speed	80 to 120	rpm

NOTE

1. 60% RH

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT