

Iupiace® TH620

Polyphenylene Ether + PS

Mitsubishi Engineering-Plastics Corp

Message:

Iupiace® TH620 is a Polyphenylene Ether + PS (PPE+PS) material filled with filler. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Iupiace® TH620 are:

Flame Rated

Warp Resistant

General Information			
UL YellowCard	E41179-100074849		
Filler / Reinforcement	Filler		
Features	Low Warpage		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/2.16 kg)	12.0	cm ³ /10min	ISO 1133
Molding Shrinkage			
Across Flow : 3.20 mm	0.30 to 0.40	%	
Flow : 3.20 mm	0.30 to 0.40	%	
Water Absorption (Saturation, 23°C)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5200	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	50.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	12	%	ISO 527-2
Flexural Modulus (23°C)	5100	MPa	ISO 178
Flexural Stress (23°C)	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	115	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	240 to 270	°C	
Middle Temperature	250 to 290	°C	
Front Temperature	250 to 290	°C	

Nozzle Temperature	250 to 280	°C
Mold Temperature	80.0 to 100	°C
Injection Pressure	20.0 to 150	MPa
Injection Rate	Moderate	
Screw Speed	60 to 150	rpm

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Recommended distributors for this material

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