Iupilon® GSH2030R2 991J

Polycarbonate

Mitsubishi Engineering-Plastics Corp

Message:

Iupilon® GSH2030R2 991J is a Polycarbonate (PC) material filled with 30% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.
Important attributes of Iupilon® GSH2030R2 991J are:
Flame Rated
Warp Resistant

General Information			
UL YellowCard	E41179-231900		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Low Warpage		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.43	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.8	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	7.00	cm³/10min	ISO 1133
Molding Shrinkage			
Across Flow : 3.20 mm	0.30 to 0.50	%	
Flow : 3.20 mm	0.30 to 0.50	%	
Water Absorption (Saturation, 23°C)	0.090	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4400	MPa	ISO 527-2
Tensile Stress (Break)	63.0	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	3900	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	30	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	143	°C	ISO 75-2/B
1.8 MPa, Unannealed	136	°C	ISO 75-2/A
Electrical	**Nominal Value**		**Test Method**
Comparative Tracking Index (CTI)	PLC 4		UL 746
Flammability	**Nominal Value**		**Test Method**
Flame Rating (0.400 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	4.0 to 8.0	hr
Rear Temperature	270 to 290	°C
Middle Temperature	280 to 300	°C
Front Temperature	290 to 310	°C
Nozzle Temperature	290 to 310	°C
Mold Temperature	80.0 to 120	°C
Injection Pressure	50.0 to 150	MPa
Screw Speed	50 to 100	rpm

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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