Reny® 1322

Polyarylamide

Mitsubishi Engineering-Plastics Corp

Message:

Reny® 1322 is a Polyarylamide (PARA) material filled with 50% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.
Important attributes of Reny® 1322 are:
Flame Rated
Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	High Impact Resistance		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.60	g/cm³	ISO 1183
Molding Shrinkage	0.40	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	18100	MPa	ISO 527-2
Tensile Stress (Break)	245	MPa	ISO 527-2
Tensile Strain (Break)	2.1	%	ISO 527-2
Flexural Modulus	16500	MPa	ISO 178
Flexural Stress	387	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	17	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	94	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	225	°C	ISO 75-2/A
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94
--	HB		
1.60 mm	HB		
Injection	**Nominal Value**	**Unit**	
Drying Temperature			
A	120	°C	
B	80.0	°C	
Drying Time			
A	> 3.0	hr	
B	> 12	hr	
Rear Temperature	270	°C	
Middle Temperature	275	°C	

Front Temperature	280	°C
Nozzle Temperature	280	°C
Mold Temperature	120 to 140	°C
Injection Pressure	20.0 to 150	MPa
Injection Rate	Moderate-Fast	
Screw Speed	60 to 150	rpm

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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