

Reny® 1002HUS

Polyarylamide

Mitsubishi Engineering-Plastics Corp

Message:

Reny® 1002HUS is a Polyarylamide (PARA) material filled with 30% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Reny® 1002HUS are:

Flame Rated

Good Weather Resistance

General Information			
UL YellowCard	E41179-100052204	E41179-100085133	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Weather Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	7.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	5.00	cm³/10min	ISO 1133
Molding Shrinkage	0.35	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ISO 527-2
Tensile Stress (Break)	192	MPa	ISO 527-2
Tensile Strain (Break)	1.4	%	ISO 527-2
Flexural Modulus	13100	MPa	ISO 178
Flexural Stress	308	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	48	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	237	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature			
A	120	°C	
B	80.0	°C	
Drying Time			

A	> 3.0	hr
B	> 12	hr
Rear Temperature	280	°C
Middle Temperature	285	°C
Front Temperature	290	°C
Nozzle Temperature	290	°C
Mold Temperature	80.0 to 140	°C
Injection Pressure	20.0 to 150	MPa
Injection Rate	Moderate-Fast	
Screw Speed	60 to 150	rpm

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Recommended distributors for this material

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