Reny® 1527

Polyarylamide

Mitsubishi Engineering-Plastics Corp

Message:

Reny® 1527 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® 1527 are:
Flame Rated
Flame Retardant
Halogen Free

General Information			
UL YellowCard	E41179-100120926		
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant Halogen Free		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.71	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	19000	MPa	ISO 527-2
Tensile Stress (Break)	220	MPa	ISO 527-2
Tensile Strain (Break)	1.6	%	ISO 527-2
Flexural Modulus	20000	MPa	ISO 178
Flexural Stress	360	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	61	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	231	°C	ISO 75-2/A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index	325	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm)	V-0		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	260	°C
Middle Temperature	265	°C
Front Temperature	270	°C
Nozzle Temperature	270	°C
Mold Temperature	120 to 145	°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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