

Reny® 2620

Polyarylamide

Mitsubishi Engineering-Plastics Corp

Message:

Reny® 2620 is a Polyarylamide (PARA) material filled with 20% glass\mineral. It is available in Asia Pacific, Europe, or North America for injection molding. Important attributes of Reny® 2620 are:

Flame Rated

Warp Resistant

General Information				
UL YellowCard		E41179-231764		
Filler / Reinforcement		Glass\Mineral,20% Filler by Weight		
Features		Low Warpage		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.66	--	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	18	--	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	12.3	--	cm ³ /10min	ISO 1133
Molding Shrinkage	0.46	--	%	
Water Absorption				ISO 62
Saturation, 23°C	0.14	--	%	
Equilibrium, 23°C, 50% RH	1.3	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	17600	11500	MPa	ISO 527-2
Tensile Stress (Break)	139	86.0	MPa	ISO 527-2
Tensile Strain (Break)	1.1	1.3	%	ISO 527-2
Flexural Modulus	16000	10900	MPa	ISO 178
Flexural Stress	236	151	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.1	5.1	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	27	35	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	234	231	°C	ISO 75-2/B
1.8 MPa, Unannealed	214	196	°C	ISO 75-2/A
CLTE				ISO 11359-2
Flow	1.0E-5	--	cm/cm/°C	

Transverse	4.0E-5	--	cm/cm/°C
Flammability	Dry	Conditioned	Test Method
Flame Rating (1.60 mm)	HB	--	UL 94
Injection	Dry	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

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Recommended distributors for this material

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