

Reny® 2686

Polyarylamide

Mitsubishi Engineering-Plastics Corp

Message:

Reny® 2686 is a Polyarylamide (PARA) material filled with 65% glass bead. It is available in Asia Pacific, Europe, or North America for injection molding.
Primary attribute of Reny® 2686: Warp Resistant.

General Information				
Filler / Reinforcement		Glass Bead,65% Filler by Weight		
Features		Low Warpage		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.80	--	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	7.6	--	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	6.90	--	cm ³ /10min	ISO 1133
Molding Shrinkage	0.87	--	%	
Water Absorption				ISO 62
Saturation, 23°C	0.11	--	%	
Equilibrium, 23°C, 50% RH	0.70	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9800	7300	MPa	ISO 527-2
Tensile Stress (Break)	73.0	52.0	MPa	ISO 527-2
Tensile Strain (Break)	1.7	1.8	%	ISO 527-2
Flexural Modulus	9600	6600	MPa	ISO 178
Flexural Stress	147	103	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.2	2.4	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	32	40	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	213	207	°C	ISO 75-2/B
1.8 MPa, Unannealed	147	116	°C	ISO 75-2/A
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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