

Reny® 1371

Polyarylamide

Mitsubishi Engineering-Plastics Corp

Message:

Reny® 1371 is a Polyarylamide (PARA) material filled with 55% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Reny® 1371 are:

Flame Rated

Impact Resistant

General Information			
UL YellowCard	E41179-507088		
Filler / Reinforcement	Glass Fiber,55% Filler by Weight		
Features	High Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.66	g/cm ³	ISO 1183
Molding Shrinkage	0.40	%	
Water Absorption			ISO 62
Saturation, 23°C	0.11	%	
Equilibrium, 23°C, 50% RH	0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20800	MPa	ISO 527-2
Tensile Stress (Break)	242	MPa	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2
Flexural Modulus	19600	MPa	ISO 178
Flexural Stress	403	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	16	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	93	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	236	°C	ISO 75-2/B
1.8 MPa, Unannealed	227	°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

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

