

Reny® F34S

Polyarylamide

Mitsubishi Engineering-Plastics Corp

Message:

Reny® F34S is a Polyarylamide (PARA) material filled with 30% whisker. It is available in Asia Pacific, Europe, or North America for injection molding. Important attributes of Reny® F34S are:

Flame Rated

Wear Resistant

General Information			
UL YellowCard	E41179-231788		
Filler / Reinforcement	Whisker,30% Filler by Weight		
Features	Good Wear Resistance		
	Low Friction		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Molding Shrinkage	0.59	%	
Water Absorption (Saturation, 23°C)	0.23	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11400	MPa	ISO 527-2
Tensile Stress (Break)	102	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	12300	MPa	ISO 178
Flexural Stress	217	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.4	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	25	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	206	°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

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

