

Reny® G07S

Polyarylamide

Mitsubishi Engineering-Plastics Corp

Message:

Reny® G07S is a Polyarylamide (PARA) material filled with 20% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Reny® G07S are:

Flame Rated

Wear Resistant

General Information				
UL YellowCard		E41179-231734		
Filler / Reinforcement		Glass Fiber,20% Filler by Weight		
Features		Good Wear Resistance		
		Low Friction		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.52	--	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	16	--	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	10.9	--	cm ³ /10min	ISO 1133
Molding Shrinkage	0.43	--	%	
Water Absorption				ISO 62
Saturation, 23°C	0.13	--	%	
Equilibrium, 23°C, 50% RH	1.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9200	9100	MPa	ISO 527-2
Tensile Stress (Break)	155	136	MPa	ISO 527-2
Tensile Strain (Break)	2.5	2.5	%	ISO 527-2
Flexural Modulus	9000	8900	MPa	ISO 178
Flexural Stress	230	200	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	5.9	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	38	37	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	255	251	°C	ISO 75-2/B
1.8 MPa, Unannealed	236	227	°C	ISO 75-2/A

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	275		°C
Middle Temperature	280		°C
Front Temperature	285		°C
Nozzle Temperature	285		°C
Mold Temperature	120 to 140		°C
Injection Pressure	20.0 to 150		MPa
Injection Rate	Moderate-Fast		
Screw Speed	60 to 150		rpm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

