Reny® 2051DS

Polyarylamide

Mitsubishi Engineering-Plastics Corp

Message:

Reny® 2051DS 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® 2051DS are:
Flame Rated
Warp Resistant

General Information			
UL YellowCard	E41179-538646		
Filler / Reinforcement	Glass\Mineral,20% Filler by Weight		
Features	Low Warpage		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.62	g/cm³	ISO 1183
Molding Shrinkage	0.52	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	15800	MPa	ISO 527-2
Tensile Stress (Break)	192	MPa	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2
Flexural Modulus	15100	MPa	ISO 178
Flexural Stress	312	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	64	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	242	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	2.0E-5	cm/cm/°C	
Transverse	5.0E-5	cm/cm/°C	
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

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

WECHAT