RTP 1485

Polyethersulfone

RTP Company

Message:

Carbon Fiber

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 30% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.45	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10	%	ASTM D955
Moisture Content	0.040	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	24800	MPa	ASTM D638
Tensile Strength	190	MPa	ASTM D638
Tensile Elongation (Yield)	1.4	%	ASTM D638
Flexural Modulus	20700	MPa	ASTM D790
Flexural Strength	296	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	530	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	< 1.0E+5	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	149	°C	
Drying Time	6.0	hr	
Dew Point	-31.7	°C	
Processing (Melt) Temp	343 - 377	°C	
Mold Temperature	135 - 177	°C	
Injection Pressure	68.9 - 103	MPa	

Injection instructions

Desiccant Type Dryer Required.

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

WECHAT