RTP 1483 N

Polyethersulfone

RTP Company

Message:

Carbon Fiber - High Viscosity

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 20% filler by weight		
Features	Viscosity, High		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.44	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.40	%	ASTM D570
Moisture Content	0.040	%	
Primary Additive	20	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	15200	MPa	ASTM D638
Tensile Strength	159	MPa	ASTM D638
Tensile Elongation (Yield)	1.8	%	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	221	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	480	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.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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