RTP 2299 X 121754 A

Polyetheretherketone

RTP Company

Message:

Carbon Fiber - Carbon Nanotube - Electrically Conductive - Low Viscosity

General Information			
Filler / Reinforcement	Carbon nano filler Carbon fiber reinforced material		
Features	Conductivity Low viscosity		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.40	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.30	%	ASTM D955
Moisture Content	0.10	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	16500	MPa	ASTM D638
Tensile Strength	179	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 3.0	%	ASTM D638
Flexural Modulus	15900	MPa	ASTM D790
Flexural Strength	290	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	910	J/m	ASTM D4812
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity			
--	< 1.0E+5	ohms	ASTM D257
--	< 1.0E+4	ohms	ESD STM11.11
Volume Resistivity	< 10	ohms·cm	ASTM D257
Injection	**Nominal Value**	**Unit**	
Drying Temperature	149	°C	
Drying Time	3.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	349 - 399	°C	
Mold Temperature	163 - 218	°C	
Injection Pressure	82.7 - 124	MPa	

Injection instructions

Desiccant Type Dryer Required.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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