

RTP 2299 X 115090 B

Polyetheretherketone

RTP Company

Message:

Carbon Nanotube - Electrically Conductive

General Information			
Filler / Reinforcement	Carbon nano filler		
Features	Conductivity		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.2 - 1.8	%	ASTM D955
Moisture Content	0.10	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170	MPa	ASTM D638
Tensile Strength	91.7	MPa	ASTM D638
Tensile Elongation (Yield)	2.2	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+2 - 1.0E+4	ohms	ASTM D257
--	10 - 1.0E+3	ohms	ESD STM11.11
Volume Resistivity	1.0 - 1.0E+2	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	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.

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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

