RTP ESD 187 HF

Polypropylene

RTP Company

Message:

Carbon Fiber - High Flow - Electrically Conductive

General Information			
Filler / Reinforcement	Carbon Fiber,40% Filler by Weight		
Features	Electrically Conductive High Flow		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.15	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.050 to 0.15	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	21400	MPa	ASTM D638
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Yield)	0.50	%	ASTM D638
Flexural Modulus	19300	MPa	ASTM D790
Flexural Strength	107	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	130	J/m	ASTM D4812
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity			
--	< 1.0E+4	ohms	ASTM D257
--	< 1.0E+3	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+2	ohms·cm	ASTM D257
Static Decay	< 0.5	sec	FTMS 101C 4046.1
Injection	**Nominal Value**	**Unit**	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	191 to 232	°C	
Mold Temperature	32.2 to 65.6	°C	
Injection Pressure	68.9 to 103	MPa	

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