RTP ESD C 201.4 F

Polyamide 12

RTP Company

Message:

Glass Fiber - Electrically Conductive

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 14% filler by weight		
Features	Conductivity		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.21	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.60	%	ASTM D955
Moisture Content	0.10	%	
Static Decay		sec	FTMS 101C 4046.1
Primary Additive	14	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3930	MPa	ASTM D638
Tensile Strength	74.5	MPa	ASTM D638
Tensile Elongation (Yield)	7.7	%	ASTM D638
Flexural Modulus	3650	MPa	ASTM D790
Flexural Strength	118	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	75	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	800	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	129	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity			
--	< 1.0E+7	ohms	ASTM D257
--	< 1.0E+6	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+6	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Dew Point	-40.0	°C	

Processing (Melt) Temp	221 - 274	°C
Mold Temperature	65.6 - 104	°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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WECHAT