RTP ESD C 204 H

Polyamide 66

RTP Company

Message:

Glass Fiber - Electrically Conductive - ESD Protection

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Additive	Impact modifier		
Features	Impact modification Conductivity Electrostatic discharge protection		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.35	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 - 0.40	%	ASTM D955
Moisture Content	0.20	%	
Static Decay [1]		sec	FTMS 101C 4046.1
Primary Additive	25	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	7580	MPa	ASTM D638
Tensile Strength	89.6	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 4.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	85	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	530	J/m	ASTM D4812
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity			
--	< 1.0E+6	ohms	ASTM D257
--	< 1.0E+5	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+3	ohms·cm	ASTM D257
Injection	**Nominal Value**	**Unit**	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	277 - 299	°C	

Mold Temperature	65.6 - 107	°C
Injection Pressure	68.9 - 124	MPa
Injection instructions		
Desiccant Type Dryer Required.		
NOTE		
1.	MIL-PRF-81705D, 5kV to 50 V, 12% RH	

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Recommended distributors for this material

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