

RTP ESD A 204 H

Polyamide 66

RTP Company

Message:

Glass Fiber - ESD Protection - Static Dissipative

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.50	%	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	103	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 4.0	%	ASTM D638
Flexural Modulus	6550	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	130	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	800	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+5 - 9.9E+11	ohms	ASTM D257
--	1.0E+4 - 9.9E+10	ohms	ESD STM11.11
Volume Resistivity	1.0E+3 - 9.9E+9	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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