

RTP ESD A 100 HF

Polypropylene
RTP Company

Message:
ESD Protection - Static Dissipative - High MFR

General Information			
Features	ESD Protection		
	High Flow		
	Statically Conductive		
RoHS Compliance		Contact Manufacturer	
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0 to 15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.2 to 1.7	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1380	MPa	ASTM D638
Tensile Strength	24.1	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Flexural Strength	31.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	290	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+5 to 9.9E+11	ohms	ASTM D257
--	1.0E+4 to 9.9E+10	ohms	ESD STM11.11
Volume Resistivity	1.0E+3 to 9.9E+9	ohms · cm	ASTM D257
Static Decay ¹	< 2.0	sec	FTMS 101C 4046.1
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	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
NOTE		

1. MIL-PRF-81705D, 5kV to 50 V, 12% RH

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