

RTP 199 X 144654

Polypropylene
RTP Company

Message:
ESD Protection - Permanently Static Dissipative - UV Stabilized - Preliminary Datasheet

General Information			
Additive	UV stabilizer		
Features	UV Stabilized		
	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30 - 40	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.4 - 2.0	%	ASTM D955
Moisture Content		%	
Static Decay ¹		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	483	MPa	ASTM D638
Tensile Strength	17.2	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	621	MPa	ASTM D790
Flexural Strength	20.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	270	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+9	ohms	ESD STM11.11
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	182 - 216	°C	
Mold Temperature	32 - 66	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Do not exceed 520 °F (270 °C) melt temperature.Desiccant Type Dryer Required.			

NOTE

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