

RTP 199 X 123298

Polypropylene
RTP Company

Message:
High Impact - Permanently Static Dissipative - ESD Protection - UV Stabilized

General Information			
Additive	UV stabilizer		
Features	UV Stabilized		
	Electrostatic discharge protection		
	Static conduction		
	Impact resistance, high		
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)	8.0 - 10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.0 - 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	965	MPa	ASTM D638
Tensile Strength	17.2	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	827	MPa	ASTM D790
Flexural Strength	24.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	800	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+7 - 9.9E+8	ohms	ESD STM11.11
--	1.0E+8 - 9.9E+9	ohms	ASTM D257
Volume Resistivity	1.0E+7 - 9.9E+8	ohms · cm	ASTM D257
Static Decay ¹		sec	FTMS 101C 4046.1
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	171 - 204	°C	
Mold Temperature	32 - 66	°C	

Injection Pressure	48.3 - 75.8	MPa
Injection instructions		
Do not exceed 520 °F (270 °C) melt temperature.Desiccant Type Dryer Required.		
NOTE		

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

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