

RTP 199 X 141358 EG

Polypropylene
RTP Company

Message:
Permanently Static Dissipative - ESD Protection - Extrusion Grade - Preliminary Data

General Information			
Features	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Extrusion		
	Extrusion		

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)	40 - 45	g/10 min	ASTM D1238
Moisture Content		%	
Static Decay ¹		sec	FTMS 101C 4046.1

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	896	MPa	ASTM D638
Tensile Strength	24.1	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Flexural Strength	31.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+8 - 1.0E+10	ohms	ASTM D257
Volume Resistivity	1.0E+7 - 1.0E+9	ohms · cm	ASTM D257

Injection instructions			
Do not exceed 520 °F (270 °C) melt temperature.Desiccant Type Dryer Required.			

Extrusion	Nominal Value	Unit
Drying Temperature	79	°C
Drying Time	2.0 - 4.0	hr
Melt Temperature	171 - 204	°C

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

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