

RTP 1899 X 141361 NAT/CLEAR

Polymethyl Methacrylate Acrylic
RTP Company

Message:
ESD Protection - Permanently Static Dissipative - UV Stabilized - Transparent Grade

General Information			
Additive	UV stabilizer		
Features	UV Stabilized		
	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Appearance	Clear/transparent		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.70	%	ASTM D955
Moisture Content	0.020	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1170	MPa	ASTM D638
Tensile Strength	30.3	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Flexural Strength	42.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1300	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+8 - 1.0E+10	ohms	ESD STM11.11
--	1.0E+9 - 1.0E+11	ohms	ASTM D257
Volume Resistivity	1.0E+8 - 1.0E+10	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	93	°C	
Drying Time	4.0	hr	
Dew Point	-18	°C	
Processing (Melt) Temp	182 - 218	°C	
Mold Temperature	79 - 107	°C	

Injection Pressure	68.9 - 103	MPa
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Injection instructions

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

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