RTP 699 X 121801

Acrylonitrile Butadiene Styrene

RTP Company

Message:

ESD Protection - Permanently Static Dissipative - UV Stabilized - Transparent

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	1.11	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	12 - 15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.80	%	ASTM D955
Moisture Content	0.10	%	
Static Decay [1]		sec	FTMS 101C 4046.1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1650	MPa	ASTM D638
Tensile Strength	34.5	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	55.2	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	160	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+9	ohms	ESD STM11.11
Injection	**Nominal Value**	**Unit**	
Drying Temperature	82	°C	
Drying Time	2.0	hr	
Dew Point	-18	°C	
Processing (Melt) Temp	204 - 238	°C	
Mold Temperature	63 - 85	°C	
Injection Pressure	68.9 - 103	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

Recommended distributors for this material

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