

RTP ESD 300 EM TFE 15

Polycarbonate
RTP Company

Message:
ESD Protection - Static Dissipative - Easy Molding - PTFE Lubricated

General Information			
Additive	PTFE lubricant (15%)		
Features	Electrostatic discharge protection		
	Static conduction		
	Good formability		
	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60 - 0.80	%	ASTM D955
Moisture Content	0.020	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength	55.2	MPa	ASTM D638
Tensile Elongation (Yield)	5.0 - 10	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	59	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	127	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+5 - 1.0E+10	ohms	ASTM D257
--	1.0E+4 - 1.0E+9	ohms	ESD STM11.11
Volume Resistivity	1.0E+3 - 1.0E+5	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	121	°C
Drying Time	4.0	hr
Dew Point	-28.9	°C
Processing (Melt) Temp	288 - 316	°C
Mold Temperature	82.2 - 121	°C
Injection Pressure	68.9 - 103	MPa

Injection instructions

Desiccant Type Dryer Required.

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