

RTP 1799 X 117570 A

Polyphenylene Ether + PS

RTP Company

Message:

Preliminary Datasheet - Electrically Conductive - Flame Retardant

General Information			
Features	Electrically Conductive		
	Flame Retardant		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.080 to 0.15	%	ASTM D955
Moisture Content	0.10	%	
Static Decay	< 2.0	sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10300	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Tensile Elongation (Yield)	0.90	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	96.5	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)	160	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	< 1.0E+7	ohms	ASTM D257
--	< 1.0E+6	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+5	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method

HB

Flame Rating (1.50 mm, ** Values per RTP Company testing.) V-2 UL 94

Injection	Nominal Value	Unit
Drying Temperature	93.3	°C
Drying Time	2.0	hr
Dew Point	-17.8	°C

Processing (Melt) Temp	249 to 288	°C
Mold Temperature	65.6 to 93.3	°C
Injection Pressure	68.9 to 103	MPa

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