

Pyramid™ II210

Polyether Imide

Polymics, Ltd.

Message:

Compression Molded Shape, Polyetherimide, Electro-Static Dissipative

General Information			
Features	Rapid Static Decay		
	Statically Conductive		
Appearance	Black		
Forms	Pellets		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	1.4	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4100	MPa	ASTM D638
Tensile Strength	75.9	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3400	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.318 mm)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
CLTE - Flow	3.6E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			ESD S11.11
-- ¹	1.0E+3 to 1.0E+5	ohms	
-- ²	1.0E+4 to 1.0E+6	ohms	
Volume Resistivity			ESD S11.11
-- ³	1.0E+3 to 1.0E+5	ohms · cm	
-- ⁴	1.0E+4 to 1.0E+5	ohms · cm	
Static Decay	0.00200		FTMS 101C 4046.1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

NOTE	
1.	100 Volts
2.	10 Volts
3.	100 Volts
4.	10 Volts

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