

Statimax 820

Polybenzimidazole
Polymics, Ltd.

Message:
Polybenzimidazole (PBI), Electrostatic Dissipative (ESD)

General Information			
Features	ESD Protection		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.40	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7600	MPa	ASTM D638
Tensile Strength	180	MPa	ASTM D638
Flexural Modulus	9000	MPa	ASTM D790
Flexural Strength	240	MPa	ASTM D790
Compressive Modulus	7600	MPa	ASTM D695
Compressive Strength	410	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	438	°C	ASTM D648
Glass Transition Temperature	427	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6 to 1.0E+8	ohms	ASTM D257

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