

Pyramid™ PI210

Aromatic Polyimide
Polymics, Ltd.

Message:
Aromatic Polyimide, 15% Graphite Filler

General Information			
Filler / Reinforcement	Graphite Powder,15% Filler by Weight		
Appearance	Dark Green		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	54		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	65.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3800	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Coefficient of Friction (Dynamic)	0.24		ASTM D1894
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.318 mm)	4300	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	380	°C	ASTM D648
CLTE - Flow	4.9E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	22	kV/mm	ASTM D149
Dissipation Factor (1 MHz)	5.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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