



**Isomide PI 230**

**Glass-Filled Polyimide**

	Properties	Units	Test Method	Value
<b>Physical</b>	Specific Gravity	g/cm <sup>3</sup>	ASTM D-792	1.57
	Water Absorption			
	24 hours		ASTM D-570	n/a
	48 hours		ASTM D-570	n/a
<b>Mechanical</b>	Tensile Strength	psi	ASTM D-638	13,633
	Tensile Modulus	psi	ASTM D-638	841,174
	Tensile Elongation	%	ASTM D-638	4.5%
	Flexural Strength	psi	ASTM D-790	21,900
	Flexural Modulus	psi	ASTM D-790	957,198
	Flexural Elongation	%	ASTM D-790	3.0%
	Compressive Strength	psi	ASTM D-695	39,013
	Impact Strength (Charpy)	ft-lb/in <sup>2</sup>	ASTM D-256	7.13
	Impact Strength (Izod A)	ft-lb/in	ASTM D-256	0.4
	Hardness Shore Rockwell M		ASTM D-2240	121
Hardness Shore D		ASTM D-2240	92	
<b>Electrical</b>	Dielectric Strength Short 60 Hz, dry	KV/mm	ASTM D-149	n/a
	Dissipation factor 100Hz to 1Ghz		ASTM D-150	n/a
	Dielectric Constant 100Hz to 1Mhz		ASTM D-150	n/a
<b>Thermal</b>	Glass Transition Temperature	°F	ASTM D-7028	653
	Thermal Conductivity	(W/mK)	ASTM C- 518	n/a
	Coefficient of Linear Expansion	°C	ASTM D-696	33 x 10 <sup>-6</sup> / °C

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