



Summary Of Typical Properties
- Isomide PI-100 – Unfilled Polyimide

	Properties	Units	Value	Test Method
Physical	Specific Gravity	g/cm3	1.34	ASTM D-792
	Water Absorption			
	24 hours	%	0.62%	ASTM D-570
	48 hours	%	0.62%	ASTM D-570
Mechanical	Tensile Strength @ 75°F	psi	17,500	ASTM D-638
	Tensile Modulus	psi	N/A	ASTM D-638
	Tensile Elongation	%	12.0%	ASTM D-638
	Flexural Strength	psi	23,500	ASTM D-790
	Flexural Modulus	psi	580,000	ASTM D-790
	Izod Impact Strength	ft-lbs/in	0.63	ASTM D-256A
	Compressive Strength	psi	39,000	ASTM D-695
	Hardness Shore D		90	ASTM-D-785
	Rockwell R		120	ASTM-D-785
Thermal	Temperature of Deflection	°F	575	ASTM D-648A
	Coefficient of Linear Expansion	in/in/°F	2.8x10 ⁻⁵	ASTM C- 518
	Continuous Use Temperature	°F	580	ASTM D-696
Electrical	Dielectric Strength Short Term	V/mil	475	ASTM D-149
	Dissipation Factor	10 ⁶ Hz	N/A	ASTM D-150
	Dielectric Constant	10 ⁶ Hz	N/A	ASTM D-150

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