



**Summary Of Typical Properties**

**- JE100 - PEEK Filled PTFE**

	Properties	Units	Value	Test Method
<b>Physical</b>	Specific Gravity	g/cm3	1.77	ASTM D-792
	Water Absorption			
	24 hours	%	0.001%	ASTM D-570
	48 hours	%	0.001%	ASTM D-570
<b>Mechanical</b>	Tensile Strength @ 75°F	psi	3,400	ASTM D-638
	Tensile Modulus	psi	180,000	ASTM D-638
	Tensile Elongation	%	15.0%	ASTM D-638
	Flexural Strength	psi	8,500	ASTM D-790
	Flexural Modulus	psi	560,000	ASTM D-790
	Izod Impact Strength	ft-lbs/in	1.8	ASTM D-256A
	Compressive Strength	psi	12,600	ASTM D-695
	Hardness Shore D		77	ASTM-D-785
<b>Thermal</b>	Temperature of Deflection	°F	400	ASTM D-648A
	Coefficient of Linear Expansion	in/in/°F	2.3x10 <sup>-5</sup>	ASTM C- 518
	Continuous Use Temperature	°F	580	ASTM D-696
<b>Electrical</b>	Dielectric Strength Short Term	V/mil	N/A	ASTM D-149
	Dissipation Factor	10 <sup>-6</sup> Hz	N/A	ASTM D-150
	Dielectric Constant	10 <sup>-6</sup> Hz	N/A	ASTM D-150

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