



**Summary Of Typical Properties**

**- SM-695-01 - Ceramic-Carbon Filled Fluoropolymer**

	Properties	Units	Value	Test Method
<b>Physical</b>	Specific Gravity	g/cm3	2.27	ASTM D-792
	Water Absorption			
	24 hours	%	0.05%	ASTM D-570
	48 hours	%		ASTM D-570
<b>Mechanical</b>	Tensile Strength @ 75°F	psi	2,700	ASTM D-638
	Tensile Modulus	psi	650,000	ASTM D-638
	Tensile Elongation	%	24%	ASTM D-638
	Flexural Strength	psi	2,300	ASTM D-790
	Flexural Modulus	psi	325,000	ASTM D-790
	Izod Impact Strength	ft-lbs/in	2	ASTM D-256A
	Compressive Strength	psi	3,600	ASTM D-695
	Hardness Shore D		58	ASTM-D-785
<b>Thermal</b>	Temperature of Deflection	°F	270	ASTM D-648A
	Coefficient of Linear Expansion	in/in/°F	1.4x10 <sup>-5</sup>	ASTM C- 518
	Continuous Use Temperature	°F	650	ASTM D-696
<b>Electrical</b>	Dielectric Strength Short 60 Hz, dry	V/mil	N/A	ASTM D-149
	Dissipation factor 100Hz to1Ghz		N/A	ASTM D-150
	Dielectric Constant 100Hz to 1Mhz		N/A	ASTM D-150

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