



Summary Of Typical Properties

- SM-650-HT – Polymer-Ceramic Filled Fluoropolymer

	Properties	Units	Value	Test Method
Physical	Specific Gravity	g/cm3	1.98	ASTM D-792
	Water Absorption			
	24 hours	%	0.28	ASTM D-570
	48 hours	%	0.5	ASTM D-570
Mechanical	Tensile Strength @ 75°F	psi	2,180	ASTM D-638
	Tensile Modulus	psi	248,000	ASTM D-638
	Tensile Elongation	%	4%	ASTM D-638
	Flexural Strength	psi	4,800	ASTM D-790
	Flexural Modulus	psi	590,000	ASTM D-790
	Izod Impact Strength	ft-lbs/in	No Break	ASTM D-256A
	Compressive Strength	psi	8,200	ASTM D-695
	Hardness Shore D		76	ASTM-D-785
Thermal	Temperature of Deflection	°F	445	ASTM D-648A
	Coefficient of Linear Expansion	in/in/°F	3.71 x 10 ⁻⁵	ASTM C- 518
	Continuous Use Temperature	°F	600	ASTM D-696
Electrical	Dielectric Strength Short Term	V/mil	N/A	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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