



Summary Of Typical Properties

- SM-550-TFM-HT - PTFE Synthetic Mica Reinforced

	Properties	Units	Value	Test Method
Physical	Specific Gravity	g/cm3	2.28	ASTM D-792
	Water Absorption			
	24 hours	%	0.08	ASTM D-570
	48 hours	%	0.028	ASTM D-570
Mechanical	Tensile Strength @ 75°F	psi	1,350	ASTM D-638
	Tensile Modulus	psi	330,000	ASTM D-638
	Tensile Elongation	%	13.3%	ASTM D-638
	Flexural Strength	psi	2,800	ASTM D-790
	Flexural Modulus	psi	590,000	ASTM D-790
	Izod Impact Strength	No break	1.32	ASTM D-256A
	Compressive Strength	psi	4,700	ASTM D-695
	Hardness Shore D		70	ASTM-D-785
Thermal	Temperature of Deflection	°F	348	ASTM D-648A
	Coefficient of Linear Expansion	in/in/°F	2.46 x 10 ⁻⁵	ASTM C-518
	Continuous Use Temperature	°F	550	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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