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ACETAL COPOLYMER RESIN

PROPERTY	NOMINAL VALUES	TEST METHOD
Physical		
Density	1.41 g/cm ³	ASTM D792
Water Absorption, 24 hrs	0.2 %	ASTM D570
Mechanical		
Tensile Strength	9,500 psi	ASTM D638
Tensile Modulus	400,000 psi	ASTM D638
Tensile Elongation at Break	30 %	ASTM D638
Flexural Strength	12,000 psi	ASTM D790
Flexural Modulus	400,000 psi	ASTM D790
Compressive Strength	15,000 psi	ASTM D695
Compressive Modulus	400,000 psi	ASTM D695
Hardness, Rockwell	M88 / R120	ASTM D785
Izod Impact, Notched	1.39 ft-lb/in	ASTM D256
Thermal		
Coefficient of Linear Thermal Expansion	5.40 x 10 ⁻⁵ in/in/°F	ASTM D696
Heat Deflection Temp at 264 psi	220 °F	ASTM D648
Melting Point Temp	335 °F	ASTM D3418
Max Operating Temp	180 °F	-
Thermal Conductivity	1.6 BTU-in/ft ² -hr-°F	ASTM C177
Flammability Rating	HB	UL94
Electrical		
Dielectric Strength, short time (1/8" thick)	420 V/mil	ASTM D149
Dielectric Constant at 1 MHz _z	3.8	ASTM D150
Dissipation Factor at 1 MHz _z	0.005	ASTM D150
Volume Resistivity at 50% RH	10 ¹⁵ Ohm-cm	ASTM D257

*Typical values only. Actual properties of individual batches will vary within specification limits.