

**METRIC**

PROPERTY	TEST METHOD		VALUE
	ISO	ASTM	
SPECIFIC GRAVITY	1183	D792	0.3-1.5
TENSILE STRENGTH PSI (MPa)	527	D638	16500-17000 (113-117)
ELONGATION AT BREAK (%)	527	D638	2-80
TENSILE MODULUS PSI (MPa)	527	D638	480000-850000 (3300-5900)
FLEXURAL MODULUS PSI (MPa)	-	D790	500000-900000 (3400-6200)
COMPRESSIVE MODULUS PSI (MPa)	604	D695	480000-600000 (3300-4100)
NOTCHED IZOD IMPACT ft-lb/in (J/m)	180/1A	D256	0.5-1.0 (27-54)
HARDNESS, ROCKWELL	2039-2	D785	M112-M115
COEFFICIENT OF FRICTION DYNAMIC	-	-	0.18-0.42
COEFFICIENT OF LINEAR THERMAL EXPANSION 10-5 in/in/°F (10-5 mm/mm/°C)	-	E831 (TMA)	1.1-3.1 (2.0-5.6)
HEAT DEFLECTION TEMPERATURE °F (°C)	75	D648	
AT 1.8 Mpa (264 psi)	-	D3418	390-410 (199-210)
GLASS TRANSITION TEMPERATURE °F (°C)	-	-	419 (215)
CONTINUOUS SERVICE TEMPERATURE IN AIR °F (°C)	-	UL 94	338 (170)
FLAMMABILITY	IEC 243	D149	
AT 3.1mm (0.125") ESTIMATED	IEC 93	D257	V-0
DIELECTRIC STRENGTH V/mil (KV/mm)	IEC 250	D150	830 (33)
VOLUME RESISTANCY	IEC 250	D150	104 x 10 <sup>17</sup> ohm-cm
DIELECTRIC CONSTANT	62	D570	
AT 1 MHz			conductive - 3.7
DISSIPATION FACTOR			
AT 1 MHz			conductive - 0.0013
WATER ABSORPTION, 24h, 1/8-in thk (%)			0.18-0.30

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