

METRIC

PROPERTY	TEST METHOD		VALUE
	ISO	ASTM	
SPECIFIC GRAVITY	1183	D792	
TENSILE STRENGTH PSI (MPa)	527	D638	10000-23000 (68-162)
ELONGATION AT BREAK (%)	527	D638	
TENSILE MODULUS PSI (MPa)	527	D638	400-2500 (3-17)
FLEXURAL MODULUS PSI (MPa)	-	D790	600-2500 (4-17)
COMPRESSIVE MODULUS PSI (MPa)	604	D695	400-1000 3-7)
NOTCHED IZOD IMPACT ft-lb/in (J/m)	180/1A	D256	0.5-2.5 (27-135)
HARDNESS, ROCKWELL	2039-2	D785	
COEFFICIENT OF FRICTION DYNAMIC	-	-	
COEFFICIENT OF LINEAR THERMAL EXPANSION 10-5 in/in/°F (10-5 mm/mm/°C)	-	E831 (TMA)	0.8-2.0 (1.4-3.6)
HEAT DEFLECTION TEMPERATURE °F (°C)	75	D648	
AT 1.8 Mpa (264 psi)	-	D3418	520-520 (271-282)
GLASS TRANSITION TEMPERATURE °F (°C)	-	-	527 (275)
CONTINUOUS SERVICE TEMPERATURE IN AIR °F (°C)	-	UL 94	500 (260)
FLAMMABILITY	IEC 243	D149	
AT 3.1mm (0.125") ESTIMATED	IEC 93	D257	V-0
DIELECTRIC STRENGTH V/mil (KV/mm)	IEC 250	D150	750 (30)
VOLUME RESISTANCY	IEC 250	D150	conductive - 2x10 ¹⁷ ohm-cm
DIELECTRIC CONSTANT	62	D570	
AT 1 MHz			conductive - 4.2-6.0
DISSIPATION FACTOR			
AT 1 MHz			conductive - 0.026-0.071
WATER ABSORPTION, 24h, 1/8-in thk (%)			0.17-0.35

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