

PHYSICAL PROPERTIES	ASTM or UL TEST	TYPICAL VALUE (3.0 MM THICKNESS)
PHYSICAL		
SPECIFIC GRAVITY	ASTM D 792	1.20
TENSILE STRENGTH, psi	ASTM D 638	9,000
ELONGATION AT BREAK, %	ASTM D 638	130
TENSILE MODULUS, psi	ASTM D 638	345,000
ROCKWELL HARDNESS	ASTM D 785	R118
IMPACT STRENGTH (NOTCHED) (ft-lb/inch)	ASTM D 256	17.0
FLEXURAL STRENGTH, psi	ASTM D 790	14,200
FLEXURAL MODULUS, psi	ASTM D 790	3.4x 10~
WEAR FACTOR AGAINST STEEL 40 psi 50fpm		2500x10~10
COEFFICIENT OF FRICTION 40psi 50fpm		0.38 Dynamic
COMPRESSIVE STRENGTH, psi	D695	12,500
COMPRESSIVE MODULUS, psi	D695	345,000
THERMAL		
MELTING POINT, °F		310
HEAT DEFLECTION AT 66 psi, °F	ASTM D 648	285
HEAT DEFLECTION AT 264 psi, °F	ASTM D 648	270
MAXIMUM TEMP. FOR SHORT TERM, °F		275
MAXIMUM TEMP. FOR LONG TERM, °F		240
THERMAL CONDUCTIVITY (Btu-inch/hr-ft~2- ° F)	ASTM C 177	1.35
SPECIFIC HEAT (Btu/lb- ° F)		0.30
COEFFICIENT OF LINEAR THERMAL EXPANSION	ASTM D 696	3.7x10~5
APPLICABLE TEMPERATURE RANGE FOR THERMAL EXPANSION, °F		0-200
FLAMMABILITY	UL 94	V-2
ELECTRICAL		
DIELECTRIC CONSTANT AT 60Hz (73° F, 50% RH)	ASTM D 150	3.2
DISSIPATION FACTOR AT 60Hz (73° F)	ASTM D 150	0.001
VOLUME RESISTIVITY	ASTM D 257	10~17 ohm-cm
DIELECTRIC STRENGTH (v/MIL)	ASTM D 149	380
OTHER		
WATER ABSORPTION - 24 HOURS, %	ASTM D 570	0.15
WATER ABSORPTION - SATURATION, %	ASTM D 570	0.35
DENSITY (lb/inch~3)	ASTM D 792	0.0434
WEATHERING RESISTANCE		Limited resistance (UV Sensitive)

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