

PROPERTY	ASTM or UL TEST	RIGID
----------	-----------------	-------

PHYSICAL		
SPECIFIC GRAVITY	D792	1.55 +/- 2
SPECIFIC VOLUME (cm ³ /g)	D792	0.645
WATER ABSORPTION, 24h, 1/8-in thk (%)	D570	
AT 73°F		+0.03
AT 212°F		+0.55

MECHANICAL		
TENSILE STRENGTH (psi @ 73°F)	D638	8,000
TENSILE MODULUS (psi @ 73°F)	D638	360,000
FLEXURAL STRENGTH (psi @ 73°F)	D638	15,100
FLEXURAL MODULUS (psi @ 73°F)	D790	415,000
COMPRESSIVE STRENGTH (psi @ 73°F)	D695	10,100
COMPRESSIVE MODULUS (psi @ 73°F)	D695	196,000
IMPACT STRENGTH, IZOD (ft-lb/in OF NOTCH)	D256	1.5
HARDNESS, ROCKWELL M	D785	119

THERMAL		
THERMAL CONDUCTIVITY (Btu-in/hr-ft ² -°F)	C177	0.95
COEFFICIENT OF THERMAL EXPANSION (10-5 in/in-°F)	D696	3.4
HEAT DISTORTION TEMPERATURE (°F)	D648	217

ELECTRICAL		
DIELECTRIC STRENGTH (V/mil)	D149	
SHORT TIME, 1/8-in thk		1,250
DIELECTRIC CONSTANT	D150	
AT kHz 3.0-3.8		3.7
VOLUME RESISTANCY (ohm-cm)	D257	
AT 73°F, 50% RH		3.4x10 ¹⁵

FLAMMABILITY		
FLAMMABILITY RATING	UL 94	V-O, 5VB, 5VA
FLAME SPREAD	-	0 ULC 15 ASTM E84
SMOKE GENERATION	-	5-30 ULC 9-169 ASTM E84
LIMITING OXYGEN INDEX	D2863	60

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, whether alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products. For most recent technical information, phone in USA or in Canada.