

PROPERTY	ASTM or UL TEST	MOLDING GRADE		
		CAST SHEET	STANDARD	HIGH IMPACT
PHYSICAL				
SPECIFIC GRAVITY	D792	1.19	1.19	1.15-1.17
SPECIFIC GRAVITY (in3/lb)	D792	23.3	23.3	24.1
WATER ABSORPTION, 24 h, 1/8-in thk, %	D570	0.2	0.3	0.3
MECHANICAL				
TENSILE STRENGTH, psi	D638	10,500	10,500	5,400-7,000
ELONGATION, %	D638	5	5	50
TENSILE MODULAS (105 psi)	D638	4.5	4.3	2.2-3.2
FLEXURAL SRENGTH, psi	D790	16,500	16,000	7,000-10,500
FLEXURAL MODULUS (105 psi)	D790	4.5	4.5	2.3-3.2
IMPACT STRENGTH, IZOD (ft-lb/in of notch)	D256	0.4	0.4	0.6-1.2
HARDNESS, ROCKWELL M	D785	M100-102	M95	R99-M68
THERMAL				
COEFFICIENT OF THERMAL EXPANSION(105 in/in-°C)	D696	3.9	3.6	3.8
DEFLECTION TEMPERATURE, °F	D648			
AT 264 psi		200-215	198	170-190
AT 66 psi		225	214	187
ELECTRICAL				
DIELECTRIC STRENGTH (V/mil) SHORT TIME, 1/8-in thk)	D149	500	500	383-450
DIELECTRIC CONSTANT	D150			
AT 1 kHz		3.3	3.3	3.9
AT 1 MHz		2.5	2.3	2.5-3.0
DISSIPATION FACTOR	D150			
AT 1 kHz		0.04	0.04	-
AT 1 MHz		0.02-0.03	0.02-0.03	0.01-0.02
VOLUME RESISTIVITY (ohm-cm) AT 73F, 50% RH	D257	>1017	>1017	>1017
ARC RESISTANCE (s), 120 mils	D495	No track	No Track	No track
OPTICAL				
REFRACTIVE INDEX	D542	1.49	1.49	1.49
TRANSMITTANCE, %	D1003	92	92	90

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