

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

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.

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 (cm3/g)	D792	23.3 (645)	23.3 (645)	24.1 (667)
WATER ABSORPTION, 24 h, 1/8-in thk (%)	D570	0.2	0.3	0.3
MECHANICAL				
TENSILE STRENGTH PSI (MPa)	D638	10,500 (72)	10,500 (72)	5,400-7,000 (37-48)
ELONGATION (%)	D638	5	5	50
TENSILE MODULAS PSI (MPa)	D638	450000 (3100)	430000 (2965)	220000-320000 (1517-2200)
FLEXURAL SRENGTH PSI (MPa)	D790	16,500 (114)	16,000 (110)	7,000-10,500 (48-72)
FLEXURAL MODULUS PSI (MPa)	D790	450000 (3100)	450000 (3100)	230000-320000 (1586-2200)
IMPACT STRENGTH, IZOD ft-lb/in OF NOTCH (J/m of notch)	D256	0.4 (21.6)	0.4 (21.6)	0.6-1.2 (32.4-64.8)
HARDNESS, ROCKWELL M	D785	M100-102	M95	R99-M68

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.

PROPERTY	ASTM OR UL TEST	MOLDING GRADE		
		CAST SHEET	STANDARD	HIGH IMPACT
THERMAL				
COEFFICIENT OF THERMAL EXPANSION (10-5 in/in-°C)	D696	3.9	3.6	3.8
DEFLECTION TEMPERATURE °F (°C)	D648			
AT 264 PSI		200-215 (93-102)	198 (93)	170-190 (77-88)
AT 66 PSI		225 (107)	214 (101)	187 (86)
ELECTRICAL				
DIELECTRIC STRENGTH SHORT TIME, 1/8-in thk V/mil (KV/mm)	D149	500 (19.8)	500 (19.8)	383-450 (15.1-17.8)
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

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.