

PROPERTIES LW = Lengthwise, CW = Crosswise, PF = Perpendicular to Laminate Face	TYPICAL VALUES IMPERIAL	TYPICAL VALUES METRIC	ASTM or UL TEST
PHYSICAL			
TENSILE STRESS, psi (kPa)			ASTM D-638
LW	30,000	206,880	
CW	7,000	48,272	
TENSILE MODULUS, 106 psi (kPa)			ASTM D-638
LW	2.5	1,827	
CW	0.8	585	
COMPRESSIVE STRESS, psi (kPa)			ASTM D-695
LW	30,000	206,880	
CW	15,000	103,440	
COMPRESSIVE MODULUS, 106 psi (kPa)			ASTM D-695
LW	2.5	1,827	
CW	1	731	
FLEXURAL STRESS, psi (kPa)			ASTM D-790
LW	30,000	206,880	
CW	10,000	68,960	
FLEXURAL MODULUS, 106 psi (kPa)			ASTM D-790
LW	1.8	1,316	
CW	0.8	585	
MODULUS OF ELASTICITY, 106 psi (kPa)			Full Section
SHEAR MODULUS, 106 psi (kPa)			
	0.45	329	
Short Beam Shear, psi (kPa)			ASTM D-2344
	4,500	31,032	
Punch Shear, psi (kPa)			ASTM D-732
	10,000	68,960	
NOTCHED IZOD IMPACT, ft-lbs/in (gcm/cm)			ASTM D-256
LW	25	136075	
CW	4	21772	
BARCOL HARDNESS			ASTM D-2583
	45	45	
24 HOUR WATER ABSORPTION, % MAX			ASTM D-570
	0.45	0.45	
Density, lbs./in.3 (kg/cubic)			ASTM D-792
	0.062 - 0.07	1716.16 - 1937.6	
THERMAL			
COEFFICIENT OF THERMAL EXPANSION, LW, 10-6 in/in/°C (cm/cm/ °C)			ASTM D-696
	8	20.32	
ELECTRICAL			
ARC RESISTANCE, LW, SECONDS			ASTM D-495
	120	120	
DIELECTRIC STRENGTH,			ASTM D-149
LW, kv/in (kV/mm)	35	889	
PF, volts/mil	200	200	
DIELECTRIC CONSTANT, PF, @ 60hz			ASTM D-150
	5	5	
TUNNEL TEST			ASTM E-84
	25 max.	25 max.	
FLAMMABILITY			ASTM D-635
	Nonburning	Nonburning	

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