

	Density ASTMC271	Core Shear ASTMC273		Core Compressive ASTMC365		Flatwise Tensile ASTMC297	Flexural Properties ASTMD790		Water Absorption ASTMC272
	(lb/Ft^3) / (kg/m^3)	Strength (psi) / (MPa)	Modulus (psi) / (MPa)	Strength (psi) / (MPa)	Modulus (psi) / (MPa)	Strength (psi) / (MPa)	Strength (psi) / (MPa)	Modulus (psi) / (MPa)	%byWeight
CWR 26									
0.50" / 12 mm	26 / 416	550 / 3.8	2,050 / 14.1	800 / 5.5	13,980 / 96.4	690 / 4.8	5,260 / 36.3	265,300 / 1,829	1.1
0.75" / 20 mm	26 / 416	530 / 3.7	4,220 / 29.1	820 / 5.7	11,810 / 81.4	480 / 3.3	4,960 / 34.2	242,900 / 1,675	
1.50" / 38 mm	26 / 416	520 / 3.6	6,300 / 43.4	1,060 / 7.3	31,050 / 214.1	510 / 3.5	4,010 / 27.6	215,100 / 1,483	
CWR 20									
0.50" / 12 mm	20 / 320	410 / 2.8	3,640 / 25.1	510 / 3.5	9,150 / 63.1	380 / 2.6	3,860 / 26.6	188,700 / 1,301	
0.75" / 20 mm	20 / 320	420 / 2.9	4,660 / 32.1	410 / 2.8	7,270 / 50.1	440 / 3.0	2,830 / 19.5	166,000 / 1,145	
1.50" / 38 mm	20 / 320	500 / 3.5	6,360 / 43.8	660 / 4.6	19,460 / 134.2	570 / 3.9	2,750 / 19.0	135,000 / 931	
C 24									
0.50" / 12 mm	24 / 384	650 / 4.5	3,990 / 27.5	980 / 6.8	16,830 / 116.0	550 / 3.8	3,430 / 23.6	114,700 / 791	0.75
0.75" / 20 mm	24 / 384	630 / 4.3	5,630 / 38.8	630 / 4.3	9,330 / 64.3	660 / 4.6	2,910 / 20.1	99,100 / 683	
C 20									
0.50" / 12 mm	20 / 320	450 / 3.1	2,970 / 20.5	600 / 4.1	13,340 / 92.0	600 / 4.1	2,700 / 18.6	91,700 / 632	
0.75" / 20 mm	20 / 320	510 / 3.5	3,740 / 25.8	740 / 5.1	15,710 / 108.3	630 / 4.3	2,430 / 16.8	71,800 / 495	
1.50" / 38 mm	20 / 320	420 / 2.9	5,220 / 36.0	530 / 3.7	19,390 / 133.7	520 / 3.6	2,310 / 15.9	75,200 / 519	
C 15									
0.50" / 12 mm	15 / 240	410 / 2.8	2,680 / 18.5	400 / 2.8	7,130 / 49.2	340 / 2.3	2,220 / 15.3	83,900 / 578	

*ASTM D790 - 3 point Bending, L/D-16/1

Important! The information and data presented herein are based upon information reasonably available to Composite Essential Materials, LLC from independent testing labs at the time of publication and are presented in good faith, but are not to be construed as guarantees or warranties, express or implied, regarding performance, results are to be obtained from use, comprehensiveness, and merchantability. You should thoroughly test any application, and independently determine satisfactory performance before commercialization or use.