

## Reinforced Polyurethane Foam



**High-density, closed-cell polyurethane foam boards reinforced with continuous strand fiberglass.**

**These boards are stronger than plywood but are not susceptible to warping or rotting when in contact with moisture.**

**Lighter alternative with densities ranging from 15 lbs per cubic foot to 26 lbs per cubic foot.**

**Standard sizes are 4' x 8' with thicknesses ranging from 3/8" to 1 1/2". Custom sizes are available.**

**Current applications include transportation, marine, specialty vehicles, and general industrial**

	Density ASTM C271	Core Shear ASTM C273	Core Compressive ASTM C366		Flatwise Tensile ASTM C297	Flexural Properties ASTM D790		Water Absorption ASTM C272	
	(lb/Ft <sup>3</sup> ) / Strength	Modulus	Strength	Modulus	Strength	Strength	Modulus	%by Weight	
	(kg/m <sup>3</sup> ) / (psi) / (MPa)	(psi) / (MPa)	(psi) / (MPa)	(psi) / (MPa)	(psi) / (MPa)	(psi) / (MPa)	(psi) / (MPa)		
<b>CWR 26</b>									
0.50" / 12 mm	26/416	550/3.8	2050/14.1	800/5.5	13980/96.4	690 / 4.8	5260 / 36.3	265,300 / 1,829	1.1
0.75"/20mm	26/416	530/3.7	4220/29.1	820 / 5.7	11810/81.4	480 / 3.3	4960 / 34.2	242,900 / 1,675	
1.50"/38mm	26/416	520/3.6	6300/43.4	1,060 / 7.3	31050/214.1	510 / 3.5	4010 / 27.6	215,100 / 1,483	
<b>CWR 20</b>									
0.50" / 12 mm	20/320	410/2.8	3640/25.1	510/3.5	9150/63.1	380 / 2.6	3860 / 26.6	188,700 / 1,301	
0.75"/20mm	20/320	420/2.9	4660/32.1	410/2.8	7270/50.1	440 / 3	2830 / 19.5	166,000 / 1,145	
1.50"/38mm	20/320	500/3.5	6360/43.8	660/4.6	19460/134.2	570 / 3.9	2750 / 19	135,000 / 931	
<b>C 24</b>									
0.50" / 12 mm	24/384	650/4.5	3990/27.5	980/6.8	16830/116	550 / 3.8	3430 / 23.6	114,700 / 791	0.75
0.75"/20mm	24/384	630/4.3	5630/38.8	630/4.3	9330/64.3	660 / 4.6	2910 / 20.1	99,100 / 683	
<b>C 20</b>									
0.50" / 12 mm	20/320	450/3.1	2970/20.5	600/4.1	13340/92	600 / 4.1	2700 / 18.6	91,700 / 632	
0.75"/20mm	20/320	510/3.5	3740/25.8	740/5.1	15710/108.3	630 / 4.3	2430 / 16.8	71,800 / 495	
1.50"/38mm	20/320	420/2.9	5220/36	530/3.7	19390/133.7	520 / 3.6	2310 / 15.9	75,200 / 519	
<b>C 15</b>									
0.50" /12mm	15/240	410/2.8	2680/18.5	400/2.8	7130/49.2	340 / 2.3	2220 / 15.3	83,900 / 578	

The information contained in this Technical Data Sheet has been developed by the company, Composite Essential Materials, LLC on the express request of its customer and to the best of its knowledge. Therefore, the company, Composite Essential Materials, LLC does not assume any liability with respect to the correctness and/or completeness of the information provided by this Technical Data Sheet. The customer in particular shall not be released from his duty to check all safety relevant properties of the delivered nonwovens and to refer to the official texts for full information on the local obligations.