
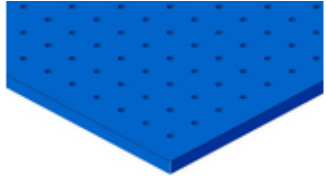
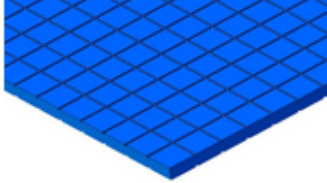
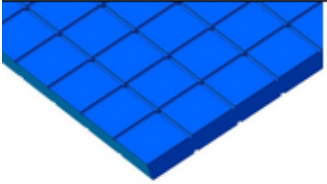
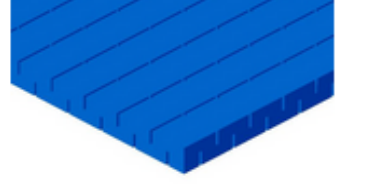
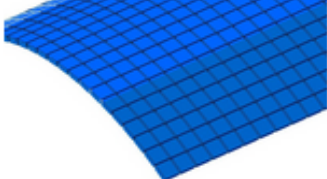


## TDS for PVC foam core

性能/Properties	测试标准 Measurement Standards	单位 Units	P45	P 60	P80	P 100	P130	P200
表观密度/Density	ISO 845	Kg/m <sup>3</sup>	48	60	80	100	130	200
		lb/ft <sup>3</sup>	3	3.8	5	6.3	8.1	12.5
压缩强度/ Compression Strength	ASTM 1621B	MPa	0.65	0.85	1.35	2.21	3.02	4.81
		psi	94	123	196	321	438	698
压缩模量 Compression Modulus	ASTM 1621B	MPa	52	71	92	136	172	242
		psi	7542	10298	13343	19725	24947	35099
拉伸强度 Tensile Strength	ASTM C297	MPa	1.42	1.61	2.21	3.52	4.78	7.15
		psi	206	234	321	511	693	1037
拉伸模量 Tensile Modulus	ASTM C297	MPa	55	75	95	132	175	253
		psi	7975	10875	13775	19145	25375	36695
剪切强度 Shear Strength	ASTM C 273	MPa	0.55	0.7	1.11	1.63	2.19	3.52
		psi	80	102	161	236	318	511
剪切模量 Shear Modulus	ASTM C 273	MPa	16	22	31	36	51	86
		psi	2321	3191	4496	5221	7397	12473
剪切应变 Shear Strain	ASTM C 273	%	12	20	30	40	40	40
Water Absorption	ISO 2896	%	1.9	1.8	1.6	1.5	1.4	1.2

Product Name	Color	Max. Size(in mm)
P45	Light Yellow	1220*2440*75
P60	Green	1220*2440*75
P80	Gray	1220*2440*65
P100	Faint Yellow	1000*2000*55
P130	Faint Yellow	940*1900*45
P200	Faint Yellow	810*1620*45
<b>Tolerances: length-width: +/-10 mm, thickness: +/-0.5 mm</b>		

**Available Surface Finishings**

<p><b>Simple Plain</b></p>		
<p><b>Perforated Foam</b></p>	<p>2mm holes drilled on the foam sheet. These holes assist in expelling air out and letting resin flow in</p>	
<p><b>Grooved Foam</b></p>	<p>Sheets can be grooved on one side as well as both. Groove distance is 20mm</p>	
<p><b>Grooved and perforated</b></p>	<p>Grooves and holes..</p>	
<p><b>Double Curved</b></p>	<p>Sheets are cut dip inside 50-60% through the thickness. Applicable for curved parts. Resin intake is low</p>	
<p><b>Contoured Foam</b></p>	<p>Best suited for curved parts</p>	

# Key features

Produced according to international standards
Wide range of densities available ; 45-250 kg/m3
Compatible with a wide range of resin systems
Ideal for marine application, wind blades, sports goods, high speed train, aerospace etc..
High chemical and moisture resistance
Close cell structure, hence almost no resin absorption
High temperature processing (prepreg compatible) ; Upto 100 degree celsius ; Long term working temperature : -240°C~+80°C
Good compressive strength and stiffness

For more info, please visit [www.cacomposites.com](http://www.cacomposites.com)  
[neal@cacomposites.com](mailto:neal@cacomposites.com)  
[sales@cacomposites.com](mailto:sales@cacomposites.com)