

## CELTEC™ MATERIALS

TYPICAL PHYSICAL PROPERTIES*	UNITS	ASTM	EXPANDED PVC	ULTRA WHITE
<b>Physical</b>				
Density	g/cm <sup>3</sup>	D 792	0.58	1.42
Water Absorption	%	D 570	0.15 - 0.30	0.06
Hunter Whiteness Index	-	-	85	89
Surface Energy	Dyne	-	38	28
Hardness	Shore D	D 224	55	89
<b>Mechanical</b>				
Tensile Strength	psi	D 638	2,256-3,000	7,400
Flexural Strength	psi	D 790	3,755	10,000
Flexural Modulus	psi	D 790	170,000	400,000
Screw Hold	psi	D 1761	17.0 - 300	
Izod Impact	ft-lb/in	D 256	0.69	18
<b>Thermal</b>				
Heat Deflection Temp (264 psi)	°F	D 648	175	176
Coefficient of Linear Expansion	in/in/°F	D 696	2.3 X 10 <sup>-5</sup>	3.2 X 10 <sup>-5</sup>
Vicat Softening Point	°F	D 1525	168	181
Thermal Resistance R (0.5" Thick)	R	C 518	.948	-
<b>Flammability Ratings</b>				
Flame Spread Index	-	E 84	Class A	Class A
Vertical Burn Test	-	UL 94	V-0	V-0
Fire Foam Test	-	UL 1975	Passed / Classified	-
Oil Canning (@140)	°f	D648	Passed	-
<b>Electrical</b>				
Dielectric Strength	kV/cm	D 149	72	645
<b>Compliances</b>				
	-	-	FDA, RoHS	RoHS, REACH, ASTM D 1784

Distributed by:  **Polymershapes**

Call: 1 (866) 437-7427  
Email: [info@polymershapes.com](mailto:info@polymershapes.com)  
[www.polymershapes.com](http://www.polymershapes.com)

Physical properties of plastic sheeting are represented as 'Typical'. Information contained herein is considered accurate to the best of our knowledge. It is offered for your consideration and investigation, and is not to be construed as representation or warranty expressed or implied. Our warranties are limited to those expressly stated in formal contracts or in conditions of sale on our invoices and order acceptances. Conditions and methods of use may vary and are beyond the control of Vycom Corporation; therefore, Vycom Corporation disclaims any liability incurred as a result of the use of this product in accordance with the data contained in our physical property charts. No information herein shall be construed as an offer of indemnity for infringement or as a recommendation to use the products in such a manner as to infringe any patent, domestic or foreign.

The 'Typical' properties of our plastic sheet cannot be automatically used when engineering finished components, and the fabricator or end user is responsible for insuring the suitability of our products for their specific application or end use!