

CELTEC® EXPANDED PVC

TYPICAL PHYSICAL PROPERTIES*	UNITS	ASTM	CELTEC
Physical			
Density	g/cm ³	D 792	0.58
Water Absorption	%	D 570	0.15 - 0.30
Hunter Whiteness Index	-	-	85
Surface Energy	Dyne	-	38
Hardness	Shore D	D 224	55
Mechanical			
Tensile Strength	psi	D 638	2,256-3,000
Flexural Strength	psi	D 790	3,755
Tensile Modulus	Psi	D 638	144,000—232,000
Flexural Modulus	psi	D 790	170,000
Screw Hold	psi	D 1761	17.0 - 300
Izod Impact	ft-lb/in	D 256	0.69
Thermal			
Heat Deflection Temp (264 psi)	°F	D 648	181
Coefficient of Linear Expansion	in/in/°F	D 696	2.3 X 10 ⁻⁵
Vicat Softening Point	°F	D 1525	168
Thermal Resistance R (0.5" Thick)	R	C 518	.948
Flammability Ratings			
Flame Spread Index	-	E 84	Class A
Vertical Burn Test	-	UL 94	V-0
Fire Foam Test	-	UL 1975	-
Oil Canning (@140)	°f	D648	Passed
Electrical			
Dielectric Strength	kV/cm	D 194	72
Compliances			
* Information applies to 3MM - 12MM material	-	-	FDA, RoHS, REACH

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!

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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1-888-CURBELL

www.curbellplastics.com

Curbell Plastics is a proud supplier of Plaskolite materials.

400 W Nationwide Blvd, Suite 400
Columbus, OH 43215
800.848.9124 • Fax: 877.538.0754
plaskolite@plaskolite.com
www.plaskolite.com

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