

CELTEC® EXPANDED PVC

TYPICAL PHYSICAL PROPERTIES	Units of Measure	Value	ASTM Method
Physical			
Density	g/cm ³	0.55 – 0.70	D 792
Water Absorption	%	0.15 – 0.30	D 570
Water Absorption	%	0.9	D 2842
Mechanical			
Tensile Strength	psi	2256 - 3000	D 638
Tensile Modulus	psi	144.000 – 232.000	D 638
Flexural Strength	psi	3329	D 790
Flexural Modulus	psi	144.219	D 790
Nail Hold	Lbf/in of penetration	35	D 1761
Screw Hold	Lbf/in of penetration	680	D 1761
Staple Hold	Lbf/in of penetration	180	D 1761
Gardner Impact	in/lbs	103	D 4228
Izod Impact Strength	ft-lb/in	0.53	D 256
Charpy Impact (Un-notched @23°)	ft-lb/in	4.5 – 8.1	D 256
Thermal			
Heat Deflection Temp (264 psi)	°F	150	D 648
Coefficient of Linear Expansion	in/in/°F	3.2 – 4.0 x 10 ⁻⁵	D 696
Thermal Conductivity	W/mK	0.084	D 177
Flammability Ratings			
Burning Rate	in/min	No burn when flame removed	-
Flame Spread Index	—	20	E 84
Vertical Burn Test	—	5-V	UL 94
Foam Fire Test	—	Passed / Classified	UL 1975
Oil Canning (@ 140°)	°F	Passed	D 648
Electrical			
Dielectric Strength	kV/cm	112	D 149



801 Corey Street, Scranton, PA 18505
 Phone: 1.800.235.8320
 Fax: 1.800.858.9266
 Website: www.vycomplastics.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 a 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!

2 UL® is a registered trademark of United Laboratories.