

Typical Physical Properties: Vintec I®

Property	Units of Measure	Value	ASTM Method
Physical			
Density	g/cm ³	1.42	D 792
Water Absorption	%	0.06	D 570
Rockwell Hardness	R Scale	115	D 785
Shore Durometer	D	89	D 224
Cell Class	-	12454-B	1748
Mechanical			
Tensile Modulus	psi	411,000	D 638
Yield Strength	psi	7,500	D 790
Flexural Modulus	psi	481,000	D 790
Yield Strength	psi	12,800	D 790
Izod Impact Strength	ft-lb/in	1.0	D 256
Thermal			
Vicat Softening Point	°C/°F	83/181	D1525
Heat Deflection Temp (66 psi)	°C/°F	82/179	D 648
Heat Deflection Temp (264 psi)	°C/°F	80/176	D 648
Coefficient of Linear Expansion	in/in/°C	5.8 x 10 ⁻⁵	D 696
Coefficient of Linear Expansion	In/in/°F	3.2 x 10 ⁻⁵	D 696
Flammability Ratings			
Flame Spread Index	—	20	E 84
Flammability	—	0	UL 94V
Flammability	—	Self Extinguishing	D635
Chemical			
Chemical Resistance	-	Class B	D 1784
Electrical			
Electrical Volume Resistivity	Ohm/cm	5.4 x 10 ¹⁵	D 257
Dielectric Constant	60 Hz	3.9	D 150
Dissipation Factor	60 Hz	0.0096	D 150
Loss Index	60 Hz	0.030	D 150
Dielectric Strength	Volts / mil	544	D 149



801 E. Corey Street, Scranton PA 18505

Phone: (800) 235-8320

Fax: (800) 858-9266

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; therefore, Vycom 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!