

Typical Physical Properties: Vintec II ® PVC

| Property | Units of Measure | Value | ASTM Method |
|---------------------------------|-------------------|------------------------|-------------|
| Physical | | | |
| Density | g/cm ³ | 1.35 | D 792 |
| Water Absorption | % | 0.16 | D 570 |
| Rockwell Hardness | R Scale | 106 | D 785 |
| Shore Durometer | D | 85 | D 224 |
| Cell Class | - | 16444-D | D 1748 |
| Mechanical | | | |
| Tensile Modulus | psi | 396,000 | D 638 |
| Yield Strength | psi | 7,400 | D 638 |
| Flexural Modulus | psi | 400,000 | D 790 |
| Yield Strength | psi | 10,000 | D 790 |
| Izod Impact Strength | ft-lb/in | 18 | 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 | 6.3 x 10 ⁻⁵ | D 696 |
| Coefficient of Linear Expansion | In/in/°F | 3.5 x 10 ⁻⁵ | D 696 |
| Flammability Ratings | | | |
| Flame Spread Index | — | 15 | E 84 |
| Flammability | — | 0 | UL 94V |
| Flammability | — | Self Extinguishing | D635 |
| Chemical | | | |
| Chemical Resistance | - | Class D | D 1784 |
| Electrical | | | |
| Electrical Volume Resistivity | Ohm/cm | 6.0 x 10 ¹⁵ | D 257 |
| Dielectric Constant | 60 Hz | 3.03 | D 150 |
| Dissipation Factor | 60 Hz | 0.0083 | D 150 |
| Loss Index | 60 Hz | 0.025 | D 150 |
| Dielectric Strength | Volts / mil | 645 | 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!