

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 | 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 |



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