

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 | Passed / Classified |
| Oil Canning (@140) | °f | D648 | Passed |
| Electrical | | | |
| Dielectric Strength | kV/cm | D 194 | 72 |
| Compliances | | | |
| * Information applies to 3MM - 12MM material | - | - | FDA, RoHS, REACH |

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