

Typical Physical Properties: SEABOARD Marine PVC

| Property | 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 |

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