

FABBACK Marine Grade Acrylic Mirror Sheet

Typical Properties

| Physical | TEST METHOD | UNITS | FABBACK |
|-----------------------------------|-------------|-------|---------|
| Specific Gravity/Relative Density | ASTM D792 | | 1.19 |
| Water Absorption | ASTM D570 | % | 0.4 |

| Mechanical | TEST METHOD | UNITS | FABBACK |
|-------------------------------------|-------------|----------------|-----------|
| Tensile Strength | ASTM D638 | psi | **11,030 |
| Tensile Modulus of Elasticity | ASTM D638 | psi | **490,000 |
| Flexural Strength | ASTM D790 | psi | **17,000 |
| Izod Impact Strength – Molded Notch | ASTM D256 | ft-lb/in Notch | **0.4 |
| Rockwell Hardness | ASTM D785 | | **M-95 |

| Thermal | TEST METHOD | UNITS | FABBACK |
|--|-------------|-----------|----------------------|
| Maximum Recommended Continuous Service Temperature | | °F | 160 |
| Softening Temperature | | °F | 210-220 |
| Melting Temperature | | °F | 300-315 |
| Deflection Temperature @ 264 psi (1.8 MPa) | ASTM D648 | °F | 203 |
| Deflection Temperature @ 66 psi (0.45 MPa) | ASTM D648 | °F | 207 |
| Coefficient of Thermal Expansion | ASTM D696 | in/in/°F | 3.0x10 ⁻⁵ |
| Flammability (Burning Rate) | ASTM D635 | in/minute | 1.019 |
| Smoke Density Rating | ASTM D2843 | % | 3.4 |
| Self-Ignition Temperature | ASTM D1929 | °F | 833 |

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

Questions? Please contact Plaskolite Customer Support 800-848-9124