

PLASKOLITE

CA-927

| Thermal | TEST METHOD | UNITS | CA-927 |
|---|-------------|------------|----------------------|
| Melt Flow Rate | ASTM D1238 | g/10 min | 4.5 |
| Molding Shrinkage | ASTM D955 | % | 0.2-0.6 |
| Heat Deflection Temperature Under Load (264 psi) | ASTM D648 | °F | 174 |
| Coefficient of Linear Thermal Expansion (-30 to 30°C) | ASTM D696 | mm/(mm-oC) | 8 X 10 ⁻⁵ |
| Vicat Softening Temperature | ASTM D1525 | °F | 233 |

| Other | TEST METHOD | UNITS | CA-927 |
|------------------------|------------------|-------|--------|
| 3-Year Weathering | SAE J576 (AMECA) | - | Listed |
| Flammability | UL 94 | - | HB |
| Relative Thermal Index | UL 746 ABC | °C | 50 |
| Specific Gravity | ASTM D792 | - | 1.17 |

| Optical | TEST METHOD | UNITS | CA-927 |
|------------------------|-------------|-------|--------|
| Refractive Index | ASTM D542 | - | 1.49 |
| Haze | ASTM D1003 | % | <1.8 |
| Luminous Transmittance | ASTM D1003 | % | 91.3 |
| Yellowness Index | ASTM D1925 | - | < 1.0 |

| Mechanical | TEST METHOD | UNITS | CA-927 |
|---|---------------|----------|--------|
| Modulus of Elasticity | ASTM D638 | psi | 290000 |
| Elongation | ASTM D638 | % | 5.3 |
| Impact Strength – Falling Weight (1/8") | ASTM D5420 GB | in-lb | 27 |
| Impact Strength – Izod (Notched) | ASTM D256 | ft-lb/in | 0.9 |
| Flexural Strength | ASTM D790 | psi | 11000 |
| Tensile Strength | ASTM D638 | psi | 7300 |

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

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