

Data Sheet - PALSUN® UV2

Flat Solid Polycarbonate Sheet



Product Definition

PALSUN® - Co-extruded UV protection on both sides

Thickness Range

1 to 15 mm

Flammability

| Standard | Classification |
|---------------|----------------|
| EN 13501 | B, s1, d0 |
| NSP 92501, 4 | M2 |
| UL Classified | File e221255 |

**All the above depends on thickness.*

For additional information please contact PALRAM.

Typical Physical Properties

| Property | Standard | Conditions | Unit | Value |
|---|------------|------------|-------------------|------------------------|
| Density | ASTM D792 | | g/cm ³ | 1.2 |
| Heat Deflection Temperature | ASTM D648 | 1.82 MPa | °C | 130 |
| Service Temperature Range | | | °C | -40 to 120 |
| Coefficient of Linear Thermal Expansion | ASTM D696 | | cm/cm °C | 6.5 X 10 ⁻⁵ |
| Thermal Conductivity | ASTM C177 | | W/mK | 0.21 |
| Tensile Strength at Yield | ASTM D638 | 10 mm/min | MPa | 65 |
| Tensile Strength at Break | ASTM D638 | 10 mm/min | MPa | 60 |
| Elongation at Yield | ASTM D638 | 10 mm/min | % | 6 |
| Elongation at Break | ASTM D638 | 10 mm/min | % | >90 |
| Tensile Modulus of Elasticity | ASTM D638 | 1 mm/min | MPa | 2300 |
| Flexural Strength | ASTM D790 | 1.3 mm/min | MPa | 100 |
| Flexural Modulus | ASTM D790 | 1.3 mm/min | MPa | 2600 |
| Impact Falling Weight (E-50) | ISO 6603/1 | 3mm sheet | J | 158 |
| Rockwell Hardness | ASTM D785 | | R Scale | 125R |
| Light Transmission | ASTM D1003 | 3mm sheet | % | 89 |
| Haze | ASTM D1003 | 3mm sheet | % | <0.5 |
| Yellowness Index | ASTM D1925 | 3mm sheet | | <1 |