



Polycarbonate Sheets

| SNO. | PROPERTIES | METHOD | UNIT | COND | Value |
|------|--|-----------|---------------------|-------------------------------|---------------|
| 1 | Specific Gravity | | g/cm ³ | | 1.2 |
| 2 | Luminous transmittance (clear transparent materials) | ISO 13468 | % | 3 mm | 88 |
| 3 | Coefficient of linear thermal expansion | ISO 11359 | 10 ⁻⁴ /K | parallel 23°C to 55 °C | 0.65 |
| 4 | Coefficient of linear thermal expansion | ISO 11359 | 10 ⁻⁴ /K | transverse 23 to 55 °C | 0.65 |
| 5 | Temperature of deflection under load | ISO 75 | °C | 0.45 MPa | 141 |
| 6 | Service temperature | | °C | | (-40 to +120) |
| 7 | Thermal conductivity | ISO 8302 | W/(m·K) | cross-flow 23°C;50 % r. h. | 0.2 |
| 8 | Elongation at break | ISO 527 | % | 50 mm/min | 130 |
| 9 | Stress at break | ISO 527 | Mpa | 50 mm/min | 70 |
| 10 | Tensile modulus | ISO 527 | Mpa | 1 mm/min | 2350 |
| 11 | Yield stress | ISO 527 | Mpa | 50 mm/min | 65 |
| 12 | Izod notched impact strength | ISO 180-A | kJ/m ² | 23 °C; 3 mm | 70 P |
| 13 | Flexural strength | ISO 178 | Mpa | 2 mm/min | 96 |
| 14 | Effect of Soundproof | | mm | | 10 |