

Acryl-Satiné 14/6 impact resistant

If not stated otherwise, the given values result from tests which were realised using standardised specimen at room temperature. The given figures are indications only and therefore not binding. Please note the properties can be significantly affected by the tooling, the processing conditions as well as by the tolerances which are given due to the material.

Mechanical characteristics

| | Unit | Standard | Data |
|------------------------------------|-------------------|--------------|------|
| Modulus of elasticity (1mm/min) | MPa | ISO 527-1/-2 | 3000 |
| Tensile stress at break (50mm/min) | MPa | ISO 527-1/-2 | 65 |
| Elongation at yield (50mm/min) | % | ISO 527-1/-2 | 4 |
| Charpy impact resistance (23°C) | kJ/m ² | ISO 179/1eU | 20 |

Thermal characteristics

| | Unit | Standard | Data |
|--|---------------------|----------------|------|
| Heat distortion temperature (1,8MPa) | °C | ISO 75-1/-2 | 96 |
| Heat distortion temperature (0,45MPa) | °C | ISO 75-1/-2 | 96 |
| Vicat-softening temperature (B50) | °C | ISO 306 | 100 |
| Linear coefficient of thermal expansion (parallel) | 10 ⁻⁴ /K | ISO 11359-1/-2 | 0,7 |

Fire characteristics

| | Unit | Standard | Data |
|--------------------------------|------|----------------|------|
| Fire behavior | | DIN 4102 | B2 |
| Glow wire ignition temperature | °C | IEC 60695-2-12 | 700 |

Physical characteristics

| | Unit | Standard | Data |
|---------|-------------------|----------|------|
| Density | g/cm ³ | ISO 1183 | 1,19 |

Optical characteristics

| | Unit | Standard | Data |
|--------------------|------|-------------|------|
| Transmission (3mm) | % | ISO 13468-2 | 81 |