

Product Texts

This data sheet applies to the products PA 2200 and PA 2200 CarbonReduced.

180 µm layer thickness

TopSpeed is a very economical parameter set for parts with medium to high requirements of quality and mechanical load and high cost pressure. Particularly large and relatively thick-walled parts can usually profit from this layer thickness, mostly without any noticeable impairment from the fast build-up rates.

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 1500 | MPa | ISO 527 |
| Tensile Strength | 45 | MPa | ISO 527 |
| Strain at break | 18 | % | ISO 527 |
| Flexural modulus, 23°C | 1500 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 53 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 4.8 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 4.4 | kJ/m ² | ISO 180/1A |
| Shore D hardness | 75 | - | ISO 7619-1 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 176 | °C | ISO 11357-1/-3 |
| Vicat softening temperature, B | 163 | °C | ISO 306 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 930 | kg/m ³ | ISO 1183 |

Characteristics

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa