

Technical Data

| Mechanical properties | Standard | Unit | Value |
|--|-------------------------|-------------------|------------|
| Apparent density* | DIN EN ISO 1183 | g/cm ³ | ~ 1,43 |
| Yield stress (tensile strength) | DIN EN ISO 527 | MPa | ≥ 55 |
| Elongation at tear | DIN EN ISO 527 | | ≥ 15 |
| Flexural strength | DIN EN ISO 178 | MPa | ≥ 80 |
| Compressive strength | Based on DIN EN ISO 844 | MPa | ≥ 70 |
| Modulus of elasticity | DIN EN ISO 527-2/1A/50 | MPa | ≥ 3000 |
| Notched impact strength | DIN EN ISO 179-1ePA | KJ/m ² | ≥ 4 |
| Impact strength | DIN EN ISO 179 | KJ/m ² | no failure |
| | 0 °C | | |
| | -20 °C | | |
| | -30 °C | | |
| | -40 °C | | |
| Ball indentation hardness (358 N/30 s) | DIN EN ISO 2039 | MPa | ~ 100 |

| Thermal properties | Standard | Unit | Value |
|--|------------------------------------|-------|-------|
| Vicat softening temperature | DIN EN ISO 306 (Process B50) | °C | ≥ 75 |
| Deflection temperature | DIN EN ISO 75 | | ~ 68 |
| Coefficient of linear thermal expansion from - 30 °C to + 50 °C | DIN EN ISO 11359-2 (Process Ae) | mm/mK | 0,08 |
| Thermal conductivity from 0 °C to + 60 °C | DIN EN ISO 22007 | W/mK | 0,16 |

Antimicrobial properties

| Bezeichnung | Norm | Einheit | Wert |
|-----------------------|--------------------|---------|-------|
| Staphylococcus Aureus | DIN ISO 22196:2011 | % | 99,76 |
| Escherichia Coli | DIN ISO 22196:2011 | % | 99,82 |

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sales@materialsolutions.ie