

Technical Properties

| Physical | Unit | Test Method | Result |
|--|-------------------|-----------------|------------------------|
| Specific gravity | g/cm ³ | DIN EN ISO 1183 | 1.52 |
| Water absorption till saturation 23°C | % | - | - |
| Maximum service temp. Upper temp limit - short term | °C | - | 95 |
| Maximum service temp. Upper temp limit - Long term | °C | - | - |
| Lower temp limit | °C | - | -40 |
| Mechanical | Unit | Test Method | Result |
| Tensile strength | MPa | DIN EN ISO 527 | 51 |
| Elongation at yield | % | DIN EN ISO 527 | 5 |
| Tensile strength at break | MPa | - | - |
| Unnotched Impact strength | kJ/m ² | DIN EN ISO 179 | no break |
| Notch impact strength | kJ/m ² | DIN EN ISO 179 | 8 |
| Ball indentation / Rockwell hardness | MPa | - | - |
| Shore-D | - | DIN EN ISO 868 | 80 |
| Flexural modulus of elasticity | MPa | - | - |
| Tensile modulus of elasticity | MPa | DIN EN ISO 527 | 2500 |
| Thermal | Unit | Test Method | Result |
| Vicat-softening point VST/B/50 | °C | DIN EN ISO 306 | 112 |
| Heat deflection temperature HDT/B | °C | - | - |
| Coefficient of linear thermal expansion 23°C - 100°C | mm/m x °C | ISO 11359-2 | 0.7 x 10 ⁻⁴ |
| Thermal conductivity at 23°C | W/mK | - | - |
| Electric | Unit | Test Method | Result |
| Volume resistivity | Ω x m | - | - |
| Surface resistivity | Ω | DIN IEC 60093 | ≥10 ¹³ |
| Dielectric constant at 1MHz | - | - | - |
| Dielectric loss factor at 1 MHz | - | - | - |
| Dielectric strength | kV/mm | - | - |
| Comparative tracking index (CTI) | - | - | - |
| Additional Data | Unit | Test Method | Result |
| Bondability | - | - | - |
| Food compliance - FDA | - | FDA | no |
| Food compliance - EU | - | EU 10/2011 | no |
| Flammability | Unit | Test Method | Result |
| Fire performance | - | UL 94 | B1 |