

| PROPERTIES | TEST METHOD | UNIT | GUIDELINE VALUE |
|------------|-------------|------|-----------------|
|------------|-------------|------|-----------------|

General Properties

| | | | |
|----------------------------------|-------------------|-------------------|---------|
| Density | DIN EN ISO 1183-1 | g/cm ³ | 1.31 |
| Water Absorption | DIN EN ISO 62 | % | 0.2 |
| Flammability (Thickness 3mm/6mm) | UL 94 | | V0 / V0 |

Mechanical Properties

| | | | |
|-------------------------------|----------------|---------|------|
| Yield stress | DIN EN ISO 527 | MPa | 110 |
| Elongation at break | DIN EN ISO 527 | % | 20 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 4000 |
| Shore hardness | DIN EN ISO 868 | scale D | 88 |

Thermal Properties

| | | | |
|---|-----------------------------|----------------------|-------------|
| Melting temperature | ISO 11357-3 | °C | 343 |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0.25 |
| Thermal capacity | DIN 52612 | kJ / (kg * K) | 1.34 |
| Coefficient of linear thermal expansion | DIN 53752 | 10 ⁻⁶ / K | 50 |
| Service temperature, long term | Average | °C | -60 ... 250 |
| Service temperature, short term (max.) | Average | °C | 310 |
| Heat deflection temperature | DIN EN ISO 75, Verf. A, HDT | °C | 152 |

Electrical Properties

| | | | |
|---------------------------------------|------------------|----------|------------------------|
| Dielectric Constant | IEC 60250 | | 3.2 |
| Dielectric dissipation factor (50 Hz) | IEC 60250 | | 0.001 |
| Volume resistivity | DIN EN 62631-3-1 | Ohm * cm | 4.9 * 10 ¹⁶ |
| Surface resistivity | DIN EN 62631-3-2 | Ohm | 10 ¹⁸ |
| Dielectric strength | IEC 60243 | kV / mm | 20 |

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