

| Properties | Test Methods | Units | Values |
|---|--------------------|-------------------|------------------------|
| Density | ISO 1183-1 | g/cm ³ | 1.31 |
| Water absorption: | | | |
| - after 24/96 hrs immersion in water of 23°C | ISO 62 | mg | 5 / 10 |
| | ISO 62 | % | 0.06 / 0.12 |
| - at saturation in air of 23°C / 50% RH | - | % | 0.20 |
| - at saturation in water of 23°C | - | % | 0.45 |
| Thermal Properties | | | |
| Melting temperature (DSC, 10°C/min) | ISO 11357-1/-3 | °C | 340 |
| Glass transition Temperature (DSC, 20°C.min) | ISO 11357-1/-2 | °C | - |
| Thermal conductivity at 23°C | - | W/(m.K) | 0.25 |
| Coefficient of linear thermal expansion: | | | |
| - average value between 23°C and 100°C | - | m/(m.K) | 50 x 10 ⁻⁶ |
| - average value between 100°C and 150°C | - | m/(m.K) | 55 x 10 ⁻⁶ |
| - average value above 150°C | - | m/(m.K) | 130 x 10 ⁻⁶ |
| Temperature of deflection under load: | | | |
| - method A: 1.8 Mpa | ISO 75-1/-2 | °C | 160 |
| Max. allowable service temperature in air: | | | |
| - for short periods | - | °C | 310 |
| - continuously: for min. 20,000 hrs | - | °C | 250 |
| Min. service temperature | - | °C | -50 |
| Flammability: | | | |
| - "Oxygen Index" | ISO 4589-1/-2 | % | 35 |
| - according to UL 94 (3 / 6mm thickness) | - | - | V-0 / V-0 |
| Mechanical Properties at 23°C | | | |
| Tension test: | | | |
| - tensile stress at yield / tensile stress at break | ISO 527-1/-2 | MPa | 115 / - |
| - tensile strength | ISO 527-1/-3 | MPa | 115 |
| - tensile strain at yeild | ISO 527-1/-4 | % | 5 |
| - tensile strain at break | ISO 527-1/-5 | % | 17 |
| - tensile modulus of elasticity | ISO 527-1/-7 | MPa | 4300 |
| Compression test | | | |
| - compressive stress at 1 / 2 / 5 % nominal strain | ISO 604 | MPa | 38 / 75 / 140 |
| Charpy impact strength - Unnotched | ISO 179-1/1eU | kJ/m ² | no break |
| Charpy impact strength - Notched | ISO 179-1/1eA | kJ/m ² | 3.5 |
| Ball indentation hardness | ISO 2039-1 | N/mm ² | 210 |
| Rockwell hardness | ISO 2039-2 | - | M105 |
| Electrical Properties at 23°C | | | |
| Electric strength | IEC 60243-1 | kV/mm | 20 |
| Volume resistivity | IEC 60093 | Ohm.cm | >10 ¹⁴ |
| Surface resistivity | ANSI/ESD STM 11.11 | Ohm/sq. | >10 ¹³ |
| Relative permittivity ϵ_r : - at 100 Hz | IEC 60250 | - | 3.2 |
| Relative permittivity ϵ_r : - at 1 MHz | IEC 60250 | - | 3.2 |
| Dielectric dissipation factor $\tan \delta$: - at 100 Hz | IEC 60250 | - | 0.001 |
| Dielectric dissipation factor $\tan \delta$: - at 1 MHz | IEC 60250 | - | 0.002 |
| Comparative tracking index (CTI) | IEC 60112 | - | 150 |