

- TROGAMID T 5000 -

| PROPERTIES | UNIT | TEST METHOD | VALUES |
|--|-------------------|-------------|---------------------|
| Physical | | | |
| unreinforced | | | |
| density | g/cm ³ | DIN 53 479 | 1.12 |
| Water absorption | mg | DIN 53 472 | 40 |
| Coefficient of thermal expansion | K ⁻¹ | | 60.10 ⁻⁶ |
| Mechanical | | | |
| Flexural strength | N/mm ² | DIN 53 452 | 125 |
| Impact strength at -50°C | kJ/m ² | DIN 53 453 | >60 |
| Notched impact strength at 20°C | kJ/m ² | DIN 53 453 | 10 à 15 |
| Notched impact strength at -50°C | kJ/m ² | DIN 53 453 | 3 à 5 |
| Tensile stress at yield | N/mm ² | DIN 53 455 | 85 |
| Tensile stress at break | N/mm ² | DIN 53 455 | 60 |
| Elongation at break | % | | >70 |
| Modulus of elasticity | N/mm ² | DIN 53 457 | 3000 |
| Ball indentation hardness H 358/30 | N/mm ² | DIN 53 456 | 140 |
| Thermal | | | |
| Heat deflection temperature according to Martens | °C | DIN 53 458 | 100 |
| Heat deflection temperature according to Vicat B/50 | °C | DIN 53 460 | 145 |
| Heat deflection temperature according to ISO / R 75 method A | °C | DIN 53 461 | 130 |
| Heat deflection temperature according to ISO / R 75 method B | °C | DIN 53 461 | 140 |
| Thermal conductivity | W/Km | | 0.21 |
| Flammability UL 94 - 0.8 / 1.6 / 3.2 mm | Class | UL 94 | V2 |
| Electrical | | | |
| Surface resistivity | Ohm | DIN 53 482 | >10 ¹³ |
| Volume resistivity | Ohm.cm | DIN 53 482 | >10 ¹⁴ |
| Dielectric constant 1 kHz | | DIN 53 483 | 3.5 |
| Dielectric constant 1 MHz | | DIN 53 483 | 3.4 |
| Dissipation factor tan δ 1 kHz | | DIN 53 483 | 0.0280 |
| Dissipation factor tan δ 1 MHz | | DIN 53 483 | 0.0220 |
| Dielectric strength (1 mm sheet) | kV/mm | DIN 53 481 | 25 |
| Tracking resistance Method CTI (KC) | | DIN IEC 112 | 600 |
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The values indicated are it with titles codes and do not engage to in no case the responsibility for company PHT



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