Technical Data Sheet

Tedur®

ALBIS

# TEDUR HTR PPS 2465 14080

(Last update: 07.10.2024)

M⚙COM

| | |
|---|---|
| Base Polymer | Polyphenylene Sulphide |
| Filler/Additive System | glass fibre/mineral |
| Special Features | high stiffness,good hydrolysis resistant,oil resistant,high comparative tracking index (CTI) |
| Market Segment | Automotive,electrical and electronic |
| Application Area | injection moulded parts |
| Typical Applications | highly stressed parts,connectors,plugs / connectors |

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|---|---|
| Pre-Drying Conditions | in a dry air (dessiccant) dryer 130-140 °C<br>for 2-4 h<br>dependant on moisture content |
| Processing Injection Moulding | melt temperature 300-340 °C<br>mould temperature >150 °C |
| Storage | dry, protected from light |

| Properties | Value | Dimension | Test Norm |
|---|---|---|---|
| **Mechanical Properties** | | | |
| Flexural Modulus | 19500 | MPa | ISO 178 |
| Flexural Strength | 180 | MPa | ISO 178 |
| Flexural Deflection (Maximum Force) | 1 | % | ISO 178 |
| Tensile Modulus | 19700 | MPa | ISO 527 |
| Tensile Strength at Break | 105 | MPa | ISO 527 |
| Tensile Elongation at Break | 0.7 | % | ISO 527 |
| Impact Strength (Charpy, 23°C) | 15 | kJ/m² | ISO 179/1eU |
| **Thermal Properties** | | | |
| HDT / A (1,8 MPa) | 273 | °C | ISO 75-1/-2 |
| DSC (Melt Point) | 280 | °C | ISO 11357 |
| Thermal Conductivity (Integral) | 0.9 | W/(m K) | ISO 22007-2 |
| Specific Heat Capacity | 1.2 | J/(g K) | - |
| **Electrical Properties** | | | |
| Surface Resistance | 1E14 | Ohm | DIN EN 62631-3-2 |
| Tracking Resistance (CTI) | 500 | - | IEC 60112 |
| **Rheological Properties** | | | |
| Shrinkage (lengthwise, 24h) | 0.2 - 0.4 | % | ISO 294-4 |
| Shrinkage (lateral, 24h) | 0.3 - 0.6 | % | ISO 294-4 |

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| **Physical Properties** | | | |
| Density | 1900 | kg/m³ | ISO 1183 |
| **Flammability** | | | |
| Flammability (1.5 mm) | V-0 | class | UL 94 |
| Glow Wire (GWFI, 960 °C, 2.0mm) | passed | - | DIN EN 60695 |

**Liability Exclusion**

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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