



TEDUR L 9510-5

(Last update: 29.08.2022)



| | |
|------------------------|---|
| Base Polymer | Polyphenylene Sulphide |
| Filler/Additive System | 40 % glass fibres |
| Special Features | injection moulding grade,high stiffness,easy flow |
| Market Segment | various |
| Application Area | pump components |
| Typical Applications | housings |

| | |
|-------------------------------|--|
| Pre-Drying Conditions | in a dry air (dessorbant) dryer 130-140 °C for 2-4 h dependant on moisture content |
| Processing Injection Moulding | melt temperature 320-340 °C mould temperature >140 °C |
| Storage | dry, protected from light |

| Properties | Value | Dimension | Test Norm |
|-------------------------------------|--------------|-------------------|------------------|
| Mechanical Properties | | | |
| Flexural Modulus | 14000 | MPa | ISO 178 |
| Flexural Strength | 260 | MPa | ISO 178 |
| Flexural Deflection (Maximum Force) | 1.9 | % | ISO 178 |
| Tensile Modulus | 15000 | MPa | ISO 527 |
| Tensile Strength at Break | 180 | MPa | ISO 527 |
| Tensile Elongation at Break | 1.5 | % | ISO 527 |
| Impact Strength (Charpy, 23°C) | 40 | kJ/m ² | ISO 179/1eU |
| Thermal Properties | | | |
| HDT / A (1,8 MPa) | 275 | °C | ISO 75-1/-2 |
| DSC (Melt Point) | 280 | °C | ISO 11357 |
| Electrical Properties | | | |
| Surface Resistance | 1E12 | Ohm | DIN EN 62631-3-2 |
| Physical Properties | | | |
| Density | 1650 | kg/m ³ | ISO 1183 |
| Flammability | | | |
| Flammability (0.75 mm) | V-0 | class | UL 94 |
| Yellow Card available | yes | - | - |
| 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



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design and processing conditions.

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