

Technical Data Sheet



TEDUR L 9510-1

(Last update: 25.03.2025)



Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres
Special Features	high stiffness
Application Area	pump components
Typical Applications	various

Pre-Drying Conditions in a dry air (dessiccant) 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	13000	MPa	ISO 178
Flexural Strength	260	MPa	ISO 178
Flexural Deflection (Maximum Force)	2	%	ISO 178
Tensile Modulus	14000	MPa	ISO 527
Tensile Strength at Break	180	MPa	ISO 527
Tensile Elongation at Break	1.7	%	ISO 527
Impact Strength (Charpy, 23°C)	45	kJ/m ²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	273	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Surface Resistance	1E15	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, 1.0mm)	passed	-	DIN EN 60695
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



TEDUR L 9510-1

(Last update: 25.03.2025)



design and processing conditions.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended.

The buyer is solely responsible for confirming the suitability of the product for a particular application, its utilization and processing and must observe any applicable laws and government regulations. **NO EXPRESS OR IMPLIED RECOMMENDATION OR WARRANTY IS GIVEN WITH REGARD TO THE SUITABILITY OF THE PRODUCT FOR A PARTICULAR APPLICATION, SUCH AS, BUT NOT LIMITED TO, SAFETY-CRITICAL COMPONENTS OR SYSTEMS.**

Healthcare uses: the supply of any product by ALBIS for any medical, pharmaceutical or diagnostic application is conditional to an assessment by ALBIS in terms of compliance with ALBIS' internal risk management policy – even for products which are in general designated for use in Healthcare applications.

Important: irrespective of product type or designation, ALBIS does not recommend or support the use of any products it supplies which fall into the following medical, pharmaceutical or diagnostic application categories:

- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

At all times, our standard terms and conditions of sale apply.