



**TEDUR L FC 9510-5**

(Last update: 31.08.2022)



Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres
Special Features	high stiffness,easy flow
Market Segment	Machinery,electrical and electronic,building and construction
Application Area	injection moulded parts,pump components
Typical Applications	housings,Parts in contact with drinking water

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

<b>Properties</b>	<b>Value</b>	<b>Dimension</b>	<b>Test Norm</b>
<b>Mechanical Properties</b>			
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	2	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	273	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
<b>Physical Properties</b>			
Density	1650	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (1.5 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-
Flammability (3.0 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-

**Additional Information**

Different color matches of this material can have significant influence on the suitability according to the various food contact directives (e.g. FDA or EU). Please request a compliance confirmation per colorcode regarding the suitability for the specific food contact application.



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#### 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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