

TEDUR® L 9510-1

Polyphenylene Sulfide

ALBIS PLASTIC GmbH

Message:

TEDUR® L 9510-1 is a Polyphenylene Sulfide (PPS) product filled with 40% glass fiber. It is available in Asia Pacific, Europe, or North America. Typical application: Engineering/Industrial Parts.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- High Stiffness

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	High Stiffness		
Uses	Pump Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14000	MPa	ISO 527-2
Tensile Stress (Break)	180	MPa	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2
Flexural Modulus	13000	MPa	ISO 178
Flexural Stress	260	MPa	ISO 178
Flexural Strain at Flexural Strength	2.0	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	9.0	kJ/m²	
-30°C	9.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	45	kJ/m²	
-30°C	45	kJ/m²	
Unnotched Izod Impact Strength	35	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	273	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.750 mm	V-0	
1.50 mm	V-0	
3.00 mm	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
1.00 mm	960	°C
2.00 mm	960	°C
Injection	Nominal Value	Unit
Drying Temperature	130 to 140	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	320 to 340	°C
Mold Temperature	> 140	°C

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Recommended distributors for this material

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