

TEDUR® L 9511

Polyphenylene Sulfide

ALBIS PLASTIC GmbH

Message:

TEDUR® L 9511 is a Polyphenylene Sulfide (PPS) product filled with 45% glass fiber. It is available in Asia Pacific, Europe, or North America. Typical application: Housings.
Characteristics include:
Flame Rated
REACH Compliant
RoHS Compliant
High Stiffness

General Information			
UL YellowCard	E80168-250679		
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	High Stiffness		
Uses	Housings		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.72	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16500	MPa	ISO 527-2
Tensile Stress (Break)	180	MPa	ISO 527-2
Tensile Strain (Break)	1.4	%	ISO 527-2
Flexural Modulus	17000	MPa	ISO 178
Flexural Stress	250	MPa	ISO 178
Flexural Strain at Flexural Strength	1.7	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	8.0	kJ/m ²	
-30°C	8.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	38	kJ/m ²	
-30°C	38	kJ/m ²	
Unnotched Izod Impact Strength	33	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°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 (2.00 mm)	960	°C	IEC 60695-2-12
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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

