

TEDUR® L 9510-1 S

Polyphenylene Sulfide

ALBIS PLASTIC GmbH

Message:

TEDUR® L 9510-1 S is a polyphenylene sulfide (PPS) product, which contains a 40% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: engineering/industrial accessories.

Features include:

flame retardant/rated flame

Comply with REACH standard

ROHS certification

High stiffness

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Rigidity, high		
Uses	Pump parts		
	Machine/mechanical parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.66	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14500	MPa	ISO 527-2
Tensile Stress (Break)	170	MPa	ISO 527-2
Tensile Strain (Break)	1.6	%	ISO 527-2
Flexural Modulus	14000	MPa	ISO 178
Flexural Stress	260	MPa	ISO 178
Flexural Deflection at Max Force	2.0	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	9.0	kJ/m ²	ISO 179/1eA
-30°C	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	35	kJ/m ²	ISO 179/1eU
-30°C	35	kJ/m ²	ISO 179/1eU
Unnotched Izod Impact Strength	38	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+12	ohms	IEC 60093
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.75 mm	V-0		UL 94
1.5 mm	V-0		UL 94
3.0 mm	V-0		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.0 mm	960	°C	IEC 60695-2-12
2.0 mm	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	130 - 140	°C	
Drying Time - Desiccant Dryer	2.0 - 4.0	hr	
Processing (Melt) Temp	320 - 340	°C	
Mold Temperature	> 140	°C	

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