

TEDUR® L 9114-1 S

Polyphenylene Sulfide
ALBIS PLASTIC GmbH

Message:

TEDUR® L 9114-1 S is a Polyphenylene Sulfide (PPS) product filled with 60% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

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

General Information			
Filler / Reinforcement	Glass Fiber,60% Filler by Weight		
Features	High Stiffness		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.90	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	24000	MPa	ISO 527-2
Tensile Stress	180	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	23000	MPa	ISO 178
Flexural Stress	300	MPa	ISO 178
Flexural Strain at Flexural Strength	1.4	%	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
--	35	kJ/m ²	
-30°C	35	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+14	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
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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