

TEDUR® L 9107-1

Polyphenylene Sulfide
ALBIS PLASTIC GmbH

Message:

TEDUR® L 9107-1 is a Polyphenylene Sulfide (PPS) product filled with 40% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Typical application: Engineering/Industrial Parts.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Good Toughness

General Information			
UL YellowCard	E80168-250675		
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Minimal Flash		
	Ultra High Toughness		
Uses	Pump Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14500	MPa	ISO 527-2
Tensile Stress (Break)	180	MPa	ISO 527-2
Tensile Strain (Break)	1.8	%	ISO 527-2
Flexural Modulus	13500	MPa	ISO 178
Flexural Stress	260	MPa	ISO 178
Flexural Strain at Flexural Strength	2.2	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
--	55	kJ/m²	
-30°C	55	kJ/m²	
Unnotched Izod Impact Strength	45	kJ/m²	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
Flammability	Nominal Value	Unit	Test Method

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

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