

TEDUR® L 9105-1

Polyphenylene Sulfide

ALBIS PLASTIC GmbH

Message:

TEDUR® L 9105-1 is a Polyphenylene Sulfide (PPS) product filled with 30% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of TEDUR® L 9105-1 include automotive and engineering/industrial parts.

Characteristics include:

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

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	High Stiffness		
	Ultra High Toughness		
Uses	Automotive Applications		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11600	MPa	ISO 527-2
Tensile Stress (Break)	170	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	10500	MPa	ISO 178
Flexural Stress	245	MPa	ISO 178
Flexural Strain at Flexural Strength	2.5	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	42	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	272	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-0		
1.50 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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