

TEDUR® L 9400-1

Polyphenylene Sulfide

ALBIS PLASTIC GmbH

Message:

TEDUR® L 9400-1 is a Polyphenylene Sulfide (PPS) product filled with 15% carbon fiber. It is available in Asia Pacific, Europe, or North America. Applications of TEDUR® L 9400-1 include automotive, electrical/electronic applications and engineering/industrial parts.

Characteristics include:

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

General Information			
Filler / Reinforcement	Carbon Fiber, 15% Filler by Weight		
Features	Electrically Conductive		
	High Stiffness		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13500	MPa	ISO 527-2
Tensile Stress (Break)	135	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	13500	MPa	ISO 178
Flexural Stress	230	MPa	ISO 178
Flexural Strain at Flexural Strength	1.7	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	18	kJ/m ²	ISO 179/1eU
Unnotched Izod Impact Strength	16	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	5.0E+2	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.50 mm)	V-0	UL 94
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

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