

# TEDUR® L 9410-1

Polyphenylene Sulfide  
ALBIS PLASTIC GmbH

Message:

TEDUR® L 9410-1 is a Polyphenylene Sulfide (PPS) product filled with 45% glass\mineral. It is available in Asia Pacific, Europe, or North America. Applications of TEDUR® L 9410-1 include engineering/industrial parts and automotive. Characteristics include:

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

General Information			
Filler / Reinforcement	Glass\Mineral,45% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Good Wear Resistance		
	High Stiffness		
	Low Warpage		
Uses	Automotive Applications		
	Bearings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.89	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ISO 527-2
Tensile Stress	110	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	15000	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Flexural Strain at Flexural Strength	1.5	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength	20	kJ/m <sup>2</sup>	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-1		

1.50 mm	V-1		
3.00 mm	V-1		
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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