

# TEDUR® L 9413-1

Polyphenylene Sulfide

ALBIS PLASTIC GmbH

## Message:

TEDUR® L 9413-1 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 9413-1 include engineering/industrial parts and automotive.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Lubricated
- Conductive

General Information			
Filler / Reinforcement	Carbon Fiber, 15% Filler by Weight		
Additive	PTFE Lubricant (15%)		
	Silicone Lubricant (4%)		
Features	Electrically Conductive		
	Good Wear Resistance		
	High Stiffness		
	Scratch Resistant		
Uses	Automotive Applications		
	Bearings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ISO 527-2
Tensile Stress (Break)	95.0	MPa	ISO 527-2
Tensile Strain (Break)	0.70	%	ISO 527-2
Flexural Modulus	13600	MPa	ISO 178
Flexural Stress	150	MPa	ISO 178
Flexural Strain at Flexural Strength	1.2	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	15	kJ/m <sup>2</sup>	ISO 179/1eU
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			UL 94
0.750 mm	V-0		
1.50 mm	V-0		
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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