

# TEDUR® L 9406-1

Polyphenylene Sulfide  
ALBIS PLASTIC GmbH

Message:

TEDUR® L 9406-1 is a polyphenylene sulfide (PPS) product, which contains 50% glass, mineral and 10% carbon fiber reinforced materials. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. TEDUR® The application areas of L 9406-1 include engineering/industrial parts and automobile industry.

- Features include:
- flame retardant/rated flame
  - Comply with REACH standard
  - ROHS certification
  - Conductivity
  - High stiffness

General Information			
Filler / Reinforcement	Glass \mineral, 50% filler by weight		
	Carbon fiber reinforced material, 10% filler by weight		
Features	Conductivity		
	Low warpage		
	Rigidity, high		
Uses	Machine/mechanical parts		
	Application in Automobile Field		
	Bearing		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.83	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	24500	MPa	ISO 527-2
Tensile Stress (Break)	140	MPa	ISO 527-2
Tensile Strain (Break)	0.70	%	ISO 527-2
Flexural Modulus	23800	MPa	ISO 178
Flexural Stress	210	MPa	ISO 178
Flexural Deflection at Max Force	1.0	%	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	17	kJ/m <sup>2</sup>	ISO 179/1eU
Unnotched Izod Impact Strength (23°C)	17	kJ/m <sup>2</sup>	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	280	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 3.0E+2	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.75 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	130 - 140	°C	
Drying Time - Desiccant Dryer	2.0 - 4.0	hr	
Processing (Melt) Temp	320 - 340	°C	
Mold Temperature	> 140	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

