

TEDUR® L 9421-1 S

Polyphenylene Sulfide
ALBIS PLASTIC GmbH

Message:

TEDUR® L 9421-1 S is a polyphenylene sulfide (PPS) product, which contains a 40% glass fiber reinforced material. It is available in North America, Europe or Asia Pacific. TEDUR® The application areas of L 9421-1 S include engineering/industrial parts and automobile industry.

Features include:

- flame retardant/rated flame
- Comply with REACH standard
- ROHS certification
- High Toughness
- High stiffness

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Additive	PTFE lubricant (10%)		
Features	Ultra high toughness		
	Rigidity, high		
	Good wear resistance		
	Lubrication		
Uses	Machine/mechanical parts		
	Application in Automobile Field		
	Bearing		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.80	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15700	MPa	ISO 527-2
Tensile Stress (Break)	180	MPa	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2
Flexural Modulus	14300	MPa	ISO 178
Flexural Stress	250	MPa	ISO 178
Flexural Deflection at Max Force	1.9	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	45	kJ/m ²	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

Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.75 mm	V-0		UL 94
1.5 mm	V-0		UL 94
Glow Wire Flammability Index (2.0 mm)	960	°C	IEC 60695-2-12
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	

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Recommended distributors for this material

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