

TEDUR® L 9424-1

Polyphenylene Sulfide
ALBIS PLASTIC GmbH

Message:

TEDUR® L 9424-1 is a Polyphenylene Sulfide (PPS) product filled with 45% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of TEDUR® L 9424-1 include engineering/industrial parts and automotive.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- High Stiffness
- Lubricated
- Wear Resistant

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Additive	PTFE + Aramid Resin Lubricant (15%)		
Features	Good Wear Resistance		
	High Stiffness		
Uses	Automotive Applications		
	Bearings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.76	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15600	MPa	ISO 527-2
Tensile Stress (Break)	100	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	16000	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Flexural Strain at Flexural Strength	1.0	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	17	kJ/m²	ISO 179/1eU
Unnotched Izod Impact Strength	18	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	275	°C	ISO 75-2/A
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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