

# TEDUR® L 9220-1

Polyphenylene Sulfide  
ALBIS PLASTIC GmbH

Message:

TEDUR® L 9220-1 is a polyphenylene sulfide (PPS) product, which contains 65% glass and mineral. 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 9220-1 include engineering/industrial parts and automobile industry.

Features include:

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

General Information			
UL YellowCard	E80168-100735158		
Filler / Reinforcement	Glass \mineral, 65% filler by weight		
Features	Rigidity, high		
	Hydrolysis resistance		
	Oil resistance		
Uses	Machine/mechanical parts		
	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.98	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16500	MPa	ISO 527-2
Tensile Stress (Break)	115	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	16500	MPa	ISO 178
Flexural Stress	200	MPa	ISO 178
Flexural Deflection at Max Force	1.2	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179/1eA
Unnotched Izod Impact Strength (23°C)	22	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	275	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method

Flame Rating			UL 94
1.5 mm	V-0		UL 94
3.0 mm	V-0		UL 94
Glow Wire Flammability Index (2.0 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	130 - 150	°C	
Hot air dryer	130 - 150	°C	
Drying Time			
Dehumidification desiccant	< 3.0	hr	
Hot air dryer	< 3.0	hr	
Processing (Melt) Temp	320 - 340	°C	
Mold Temperature	> 140	°C	

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#### Recommended distributors for this material

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