

TEDUR® L FC 9510-5

Polyphenylene Sulfide

ALBIS PLASTIC GmbH

Message:

TEDUR® L FC 9510-5 is a Polyphenylene Sulfide (PPS) product filled with 40% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of TEDUR® L FC 9510-5 include engineering/industrial parts, construction applications, electrical/electronic applications and housings.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- High Flow
- High Stiffness

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	High Flow		
	High Stiffness		
Uses	Construction Applications		
	Electrical/Electronic Applications		
	Housings		
	Machine/Mechanical Parts		
	Pump Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ISO 527-2
Tensile Stress (Break)	180	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	14000	MPa	ISO 178
Flexural Stress	260	MPa	ISO 178
Flexural Strain at Flexural Strength	1.9	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	40	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	9.0	kJ/m ²	ISO 179/1eU
Unnotched Izod Impact Strength	37	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	130 to 140	°C	
Drying Time - Desiccant Dryer	2.0 to 4.0	hr	
Processing (Melt) Temp	320 to 340	°C	
Mold Temperature	> 140	°C	

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