

TEDUR® L FC 9510-6

Polyphenylene Sulfide
ALBIS PLASTIC GmbH

Message:

TEDUR® L FC 9510-6 is a polyphenylene sulfide (PPS) product, which contains a 40% glass fiber reinforced material. 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 FC 9510-6 include engineering/industrial fittings and water pipes/pipes/drinking water.

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

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Rigidity, high		
Uses	Pump parts		
	Piping system		
	Machine/mechanical parts		
	Accessories		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.67	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15300	MPa	ISO 527-2
Tensile Stress	160	MPa	ISO 527-2
Tensile Strain (Break)	1.5	%	ISO 527-2
Flexural Modulus	14000	MPa	ISO 178
Flexural Stress	240	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	36	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	270	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.5 mm	V-0	UL 94	
3.0 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

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Recommended distributors for this material

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