TEDUR® L 9404-3.2

Polyphenylene Sulfide

ALBIS PLASTIC GmbH

Message:

TEDUR® L 9404-3.2 is a Polyphenylene Sulfide (PPS) product filled with 30% carbon fiber. It is available in Asia Pacific, Europe, or North America. Applications of TEDUR® L 9404-3.2 include automotive, electrical/electronic applications and engineering/industrial parts.
Characteristics include:
Flame Rated
REACH Compliant
RoHS Compliant
Conductive
High Stiffness

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Features	Electrically Conductive High Stiffness		
Uses	Automotive Applications Electrical/Electronic Applications Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.44	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	26500	MPa	ISO 527-2
Tensile Stress (Break)	190	MPa	ISO 527-2
Tensile Strain (Break)	0.90	%	ISO 527-2
Flexural Modulus	24500	MPa	ISO 178
Flexural Stress	285	MPa	ISO 178
Flexural Strain at Flexural Strength	1.3	%	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	29	kJ/m²	ISO 179/1eU
Unnotched Izod Impact Strength	26	kJ/m²	ISO 180/1U
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Vicat Softening Temperature	263	°C	ISO 306/B50
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.1E+2	ohms	IEC 60093

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-0		
1.50 mm	V-0		
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12

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

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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