

Albis Plastics Tedur® L 9511 PPS, 45% Glass Fiber

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 50% Glass Fiber Filler

Material Notes:

High Strength, High Rigidity Standard Grade. Incandescent wire resistance (2 mm) is 960°C per VDE 0471 T1.2. Applications: Fixture Elements, Housings Processing: Injection Molding (Melt Temperature: 610-645°F, Mold Temperature: 285°F) Tedur® is manufactured by Albis Plastics Corporation under license of the registered trademark owner (Bayer.) Data supplied by Albis Plastics Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Albis-Plastics-Tedur-L-9511-PPS-45-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.74 g/cc	0.0629 lb/in³	DIN 53 47

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	DIN 53 455
Elongation at Break	1.4 %	1.4 %	DIN 53 455
Modulus of Elasticity	16.5 GPa	2390 ksi	DIN 53 457
Flexural Yield Strength	250 MPa	36300 psi	DIN 53 452
Flexural Modulus	15.0 GPa	2180 ksi	DIN 53 457
Izod Impact, Notched	2.99 J/cm	5.60 ft-lb/in	Approximation; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Melt Temperature	321 - 341 °C	610 - 646 °F	Injection
Mold Temperature	141 °C	286 °F	

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