

Albis Plastics Tedur® L 9510-1 PPS, 40% Glass Fiber

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 40% 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: Pump Impellers, Valve Housings and Bushings 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-9510-1-PPS-40-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	DIN 53 47

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	185 MPa	26800 psi	DIN 53 455
Elongation at Break	1.7 %	1.7 %	DIN 53 455
Modulus of Elasticity	14.5 GPa	2100 ksi	DIN 53 457
Flexural Yield Strength	260 MPa	37700 psi	DIN 53 452
Flexural Modulus	13.0 GPa	1890 ksi	DIN 53 457
Izod Impact, Notched	3.52 J/cm	6.59 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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