

Barlog Plastics KEBATRON C1040G5 PPS, cross-linked, 40% glass fiber reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 40% Glass Fiber Filler

Material Notes:

PPS-GF40 Information provided by BARLOG plastics GmbH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBATRON-C1040G5-PPS-cross-linked-40-glass-fiber-reinforced.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183
Water Absorption	0.020 %	0.020 %	similar to ISO 62 test

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	190 MPa	27600 psi	ISO 527-1
Elongation at Break	1.8 %	1.8 %	ISO 527-1
Tensile Modulus	14.5 GPa	2100 ksi	ISO 527-1
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	ISO 179-1eU
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179-1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	20.0 µm/m-°C	11.1 µin/in-°F	ISO 11359-1/-2
Melting Point	285 °C	545 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	270 °C	518 °F	ISO 75-1/-2
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	UL Registered; IEC 60695-11-10

Descriptive Properties	Value	Comments
Resin Type	PPS-GF40	

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