

BASF Ultradur® B 4300 G6 HR 30% Glass Filled PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

Description: Is a PBT, injection-molding grade with 30% glass fibers; for rigid and dimensionally stable technical parts with increased requirements on hydrolysis resistance, e.g. automotive connectors and housings for electronic units under the hood. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultradur-B-4300-G6-HR-30-Glass-Filled-PBT.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ISO 1183
Water Absorption	0.40 %	0.40 %	Saturation; DIN 53495/1L
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23°C; 50% RH
Viscosity Measurement	108	108	[ml/g]; Viscosity number; ISO 1628
Linear Mold Shrinkage, Flow	0.0045 cm/cm	0.0045 in/in	60x60x2 mm; ISO 294
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	60x60x2 mm; ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	130 MPa	18900 psi	50 mm/min; ISO 527-2
Elongation at Break	3.3 %	3.3 %	50mm/min; ISO 527-2
Modulus of Elasticity	8.70 GPa	1260 ksi	ISO 527-2
Charpy Impact Unnotched	7.00 J/cm ²	33.3 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	220 - 225 °C	428 - 437 °F	DSC; ISO 11357-3
Maximum Service Temperature, Air	210 °C	410 °F	
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75-2
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 275 °C	482 - 527 °F	Injection-molding

Processing Properties	Metric	English	Comments
Mold Temperature	60.0 - 100 °C	140 - 212 °F	

Descriptive Properties	Value	Comments
Color	Natural and Black	
Commercial Status	Europe	
Primary Processing Technique	Injection Molding	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China