

## BASF Ultradur B 4300 G4 High Speed Unc. 20% Glass Filled PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

### Material Notes:

Ultradur B 4300 G4 High Speed Unc. is a high flow, fast cycling with low warpage, 20% glass filled, pigmented black, injection molding PBT for industrial parts, rigid tough and dimensional stable applications. Applications: Housings, consoles, contact carriers, and covers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultradur-B-4300-G4-High-Speed-Unc-20-Glass-Filled-PBT.php](http://www.lookpolymers.com/polymer_BASF-Ultradur-B-4300-G4-High-Speed-Unc-20-Glass-Filled-PBT.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.40 %	0.40 %	DIN 53495/1L
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23°C/50% R.H.
Viscosity Test	96 cm <sup>3</sup> /g	96 cm <sup>3</sup> /g	Viscosity Number; ISO 1628
Linear Mold Shrinkage, Flow	0.0048 cm/cm	0.0048 in/in	60x60x2mm; ISO 294
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	60x60x2mm; ISO 294
Melt Flow	31.9 g/10 min @Load 2.16 kg, Temperature 250 °C	31.9 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	118 MPa	17100 psi	50mm/min; ISO 527-2
Elongation at Break	3.2 %	3.2 %	5mm/min; ISO 527
Modulus of Elasticity	6.90 GPa	1000 ksi	ISO 527-2
Tensile Modulus	7.11 GPa	1030 ksi	1mm/min; ISO 527
Charpy Impact Unnotched	5.10 J/cm <sup>2</sup>	24.3 ft-lb/in <sup>2</sup>	ISO 179
Charpy Impact, Notched	0.740 J/cm <sup>2</sup>	3.52 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	223 °C	433 °F	10 K/min
Maximum Service Temperature, Air	210 °C	410 °F	
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75
Deflection Temperature at 1.8 MPa			

(264 psi) Thermal Properties	195 °C Metric	383 °F English	ISO 75 Comments
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	300 V	300 V	Test solution A; IEC 112

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 275 °C	482 - 527 °F	Injection molding
Mold Temperature	60.0 - 100 °C	140 - 212 °F	

Descriptive Properties	Value	Comments
Color	Natural and Black	
Commercial Status	North America and Europe	
Impact Modified	No	
Primary Processing Technique	Injection Molding	

## Contact Songhan Plastic Technology Co.,Ltd.

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