

BASF Ultradur B 4300 G3 BK5110 15% Glass Filled PBT

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

Material Notes:

Ultradur B4300 G3 is an easy flowing 15% glass reinforced grade of PBT for injection molding. It is suitable for industrial articles requiring high rigidity, toughness and dimensional stability.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultradur-B-4300-G3-BK5110-15-Glass-Filled-PBT.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Water Absorption	0.20 %	0.20 %	24 hour; ISO Test
	0.40 %	0.40 %	ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23°C/50% R.H.; ISO 62
Viscosity Test	113 cm ³ /g	113 cm ³ /g	Viscosity number
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM Data; MD
Melt Flow	22 g/10 min	22 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 250 °C	@Load 4.76 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	93.0 MPa	13500 psi	5mm/min; ISO 527
Elongation at Break	3.8 %	3.8 %	5mm/min; ISO 527
Tensile Modulus	5.70 GPa	827 ksi	1mm/min; ISO 527
Flexural Modulus	5.20 GPa	754 ksi	ISO Data
Izod Impact, Notched (ISO)	5.50 kJ/m ²	2.62 ft-lb/in ²	ISO Test
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	223 °C	433 °F	10 K/min
	223 °C	433 °F	ASTM Test
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	ISO 75
	HB	HB	

Flammability UL 94 Thermal Properties	Metric @Thickness 1.60 mm	English @Thickness 0.0630 in	Comments
	HB	HB	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Descriptive Properties	Value	Comments
Color	BK5110	
Commercial Status	Active America	
Form	Pellets	
Impact Modified	No	
NSF Std. 61	Yes	
Primary Processing Technique	Injection Molding	
Special characteristic	Heat stabilized or stable to heat	
	Light stabilized or stable to light	
	Lubricant	
	U.V. stabilized or stable to weather	

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