

BASF Ultradur B 4300 G2 BK5110 10% Glass Filled PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 10% Glass Fiber Filled

Material Notes:

Ultradur B 4300 G2 BK5110 is a pigmented black, easy flowing injection molding PBT with 10% glass fiber reinforcement for rigid, tough, and dimensionally stable parts.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultradur-B-4300-G2-BK5110-10-Glass-Filled-PBT.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 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	116 cm ³ /g	116 cm ³ /g	Viscosity number
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM Data; MD
Melt Flow	16 g/10 min	16 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	85.0 MPa	12300 psi	5mm/min; ISO 527
Elongation at Break	3.5 %	3.5 %	5mm/min; ISO 527
Tensile Modulus	4.20 GPa	609 ksi	1mm/min; ISO 527
Flexural Modulus	4.20 GPa	609 ksi	ISO Data
Izod Impact, Notched (ISO)	4.70 kJ/m ²	2.24 ft-lb/in ²	ISO Test

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)	185 °C	365 °F	ISO 75
Flammability, UL94	HB	HB	
	@Thickness 1.55 mm	@Thickness 0.0610 in	

Thermal Properties	Metric	English	Comments
	@Thickness 0.400 mm	@Thickness 0.0157 in	

Descriptive Properties	Value	Comments
Color	BK5110	
Commercial Status	North America and Europe	
Form	Pellets	
Impact Modified	No	
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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