

BASF Ultradur B 4300 G4 BK5110 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 BK5110 is an easy flowing, pigmented black, injection molding PBT with 20% 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-G4-BK5110-20-Glass-Filled-PBT.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in³	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	110 cm³/g	110 cm³/g	Viscosity number
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	107 MPa	15500 psi	5mm/min; ISO 527
Elongation at Break	3.5 %	3.5 %	5mm/min; ISO 527
Flexural Modulus	6.10 GPa	885 ksi	ISO Data
Izod Impact, Notched (ISO)	6.00 kJ/m²	2.86 ft-lb/in²	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)	199 °C	390 °F	ISO 75

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

Descriptive Properties Primary Processing Technique	Value Injection Molding	Comments
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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