

## BASF Ultradur B 4300 G6 BK5110 30% Glass Filled PBT

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

### Material Notes:

Ultradur B 4300 G6 BK5110 is an easy flowing, pigmented black, injection molding PBT with 30% 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-G6-BK5110-30-Glass-Filled-PBT.php](http://www.lookpolymers.com/polymer_BASF-Ultradur-B-4300-G6-BK5110-30-Glass-Filled-PBT.php)

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in <sup>3</sup>	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	102 cm <sup>3</sup> /g	102 cm <sup>3</sup> /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	135 MPa	19600 psi	5mm/min; ISO 527
Elongation at Break	2.9 %	2.9 %	5mm/min; ISO 527
Tensile Modulus	10.4 GPa	1510 ksi	1mm/min; ISO 527
Flexural Modulus	8.82 GPa	1280 ksi	ISO Data
Izod Impact, Notched (ISO)	8.30 kJ/m <sup>2</sup>	3.95 ft-lb/in <sup>2</sup>	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)	197 °C	387 °F	ISO 75

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093

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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