

BASF Ultradur B 4406 G6 BKQ113 7110 30% Glass Filled PBT

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

Material Notes:

Ultradur B 4406 G6 BKQ113 7110 is an UL V0 injection molding, pigmented black, PBT grade with 30% glass fiber reinforcement.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultradur-B-4406-G6-BKQ113-7110-30-Glass-Filled-PBT.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183
Water Absorption	0.40 %	0.40 %	ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23°C/50% R.H.; ISO 62
Viscosity Test	105 cm ³ /g	105 cm ³ /g	Viscosity number

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	154 MPa	22300 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	143 MPa	20700 psi	5mm/min; ISO 527
Elongation at Break	1.9 %	1.9 %	5mm/min; ISO 527
	2.0 %	2.0 %	
Tensile Modulus	11.7 GPa	1700 ksi	1mm/min; ISO 527
Charpy Impact, Notched	1.00 J/cm ²	4.76 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 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	ISO 75

Descriptive Properties	Value	Comments
Color	BK7110	
Commercial Status	North America and Europe	
Form	Pellets	

Descriptive Properties	Value	Comments
Primary Processing Technique	Injection Molding	
Processing	Injection Molding	
Special characteristic	Flame retarding agent	
	Heat stabilized or stable to heat	
	Light stabilized or stable to light	
	Lubricant	
	U.V. stabilized or stable to weather	

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