

BASF Ultradur B 4040 G3 HT BK5830 15% Glass Filled PBT/PET

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + PET Blend, Glass Filled , Polyethylene Terephthalate (PET)

Material Notes:

Ultradur B 4040 G3 HT BK5830 is a 15% glass filled, pigmented black, injection molding PBT. It is a resin for molding household appliances and equipment which must be resistant to chemicals and other media, and be capable of producing a excellent surface finish. In addition, some types of kitchen equipment have to with-stand high temperatures. B4040G3 HT's resistance to high sustained-service temperatures makes it a material of choice when things get hot. Internal testing demonstrates that the product meets the UL94 HB (0.8 mm thickness) flame requirements.

Order this product through the following link:
http://www.lookpolymers.com/polymer_BASF-Ultradur-B-4040-G3-HT-BK5830-15-Glass-Filled-PBTPET.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in³	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ISO Data

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	70.0 MPa	10200 psi	5mm/min; ISO 527
Elongation at Break	1.5 %	1.5 %	5mm/min; ISO 527
Tensile Modulus	6.00 GPa	870 ksi	1mm/min; ISO 527
Flexural Modulus	5.50 GPa	798 ksi	ISO Data
Izod Impact, Notched (ISO)	4.00 kJ/m²	1.90 ft-lb/in²	ISO Test

Thermal Properties	Metric	English	Comments
Melting Point	223 °C	433 °F	10 K/min
Deflection Temperature at 1.8 MPa (264 psi)	170 °C	338 °F	ISO 75

Descriptive Properties	Value	Comments
Color	BK5830	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	

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