

BASF Ultradur B 4040 G10 LS High Speed BK15029 50% Glass Filled PBT/PET

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

Material Notes:

Order this product through the following link:
http://www.lookpolymers.com/polymer_BASF-Ultradur-B-4040-G10-LS-High-Speed-BK15029-50-Glass-Filled-PBTPET.php

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0636 lb/in³	ISO 1183
Viscosity Test	75 cm³/g	75 cm³/g	Viscosity number
Melt Flow	110 g/10 min	110 g/10 min	ISO 1133
	@Load 10.0 kg, Temperature 275 °C	@Load 22.0 lb, Temperature 527 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	170 MPa	24700 psi	5mm/min; ISO 527
Elongation at Break	1.4 %	1.4 %	5mm/min; ISO 527
Tensile Modulus	18.7 GPa	2710 ksi	1mm/min; ISO 527
Charpy Impact Unnotched	6.00 J/cm²	28.6 ft-lb/in²	ISO 179
	6.40 J/cm² @Temperature -30.0 °C	30.5 ft-lb/in² @Temperature -22.0 °F	ISO 179
Charpy Impact, Notched	1.00 J/cm²	4.76 ft-lb/in²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	223 °C	433 °F	10 K/min
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ISO 75

Descriptive Properties	Value	Comments
Color	BK15029	
Commercial Status	Active America	
Impact Modified	No	

Primary Processing Technique Descriptive Properties	Injection Molding Value	Comments
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