

BASF Ultradur S 4090 G4 High Speed Unc. 20% Glass Filled PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

Material Notes:

Ultradur S 4090 G4 High Speed Unc. is a high flow, fast cycling with low warpage, 20% glass filled injection molding PBT for industrial parts, rigid tough and dimensional stable applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultradur-S-4090-G4-High-Speed-Unc-20-Glass-Filled-PBT.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183
Water Absorption	0.40 %	0.40 %	DIN 53495/1L
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23°C/50% R.H.
Viscosity Test	94 cm ³ /g	94 cm ³ /g	Viscosity number; ISO 1628
Linear Mold Shrinkage, Flow	0.0041 cm/cm	0.0041 in/in	ISO 294
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	ISO 294
Melt Flow	58.0 g/10 min @Load 2.16 kg, Temperature 275 °C	58.0 g/10 min @Load 4.76 lb, Temperature 527 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	50mm/min; ISO 527-2
Elongation at Break	2.2 %	2.2 %	50mm/min; ISO 527
Modulus of Elasticity	6.90 GPa	1000 ksi	ISO 527-2
Charpy Impact Unnotched	4.20 J/cm ²	20.0 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	220 - 225 °C	428 - 437 °F	
Maximum Service Temperature, Air	160 °C	320 °F	
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	178 °C	352 °F	ISO 75

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	450 V	450 V	Test solution A; IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 275 °C	482 - 527 °F	
Mold Temperature	60.0 - 100 °C	140 - 212 °F	

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China