

BASF Ultradur S 4090 G4 BK5110 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 BK5110 is a 20% glass reinforced, pigmented black PBT+ASA blend. It produces moldings with good surface finish, is resistant to chemicals and stress cracking, and has low shrinkage and warpage.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultradur-S-4090-G4-BK5110-20-Glass-Filled-PBT.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	98.0 MPa	14200 psi	5mm/min; ISO 527
Elongation at Break	2.8 %	2.8 %	5mm/min; ISO 527
Tensile Modulus	6.33 GPa	918 ksi	1mm/min; ISO 527
Flexural Modulus	5.91 GPa	857 ksi	ISO Data
Izod Impact, Notched (ISO)	6.40 kJ/m ²	3.05 ft-lb/in ²	ISO Test
Charpy Impact, Notched	0.640 J/cm ²	3.05 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)	208 °C	406 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	168 °C	334 °F	ISO 75

Descriptive Properties	Value	Comments
Color	BK5110	
Commercial Status	Active America	
Impact Modified	No	

Primary Processing Technique Descriptive Properties	Injection Molding Value	Comments
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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