



Ultradur® B 2300 G6 HR LS BK15045

BASF Corporation - Polybutylene Terephthalate

Monday, November 4, 2019

General Information

Product Description

Ultradur B 2300 G6 HR LS BK15045 is a hydrolysis resistant, laser sensitive, pigmented black 30% fiberglass reinforced PBT, exhibiting superior flow characteristics.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• High Flow • Hydrolysis Resistant
Agency Ratings	• EC 1907/2006 (REACH)
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Viscosity Number (Reduced Viscosity)	91.0	ml/g	ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.22E+6	psi	ISO 527-2
Tensile Stress (Break, 73°F)	16100	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.0	%	ISO 527-2
Flexural Modulus (73°F)	1.15E+6	psi	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	405	°F	ISO 75-2/A
Melting Temperature (DSC)	433	°F	ISO 3146
CLTE - Flow	9.4E-6	in/in/°F	
CLTE - Transverse	6.7E-5	in/in/°F	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	212 to 248	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.040	%
Processing (Melt) Temp	482 to 527	°F
Mold Temperature	104 to 158	°F
Injection Pressure	500 to 1500	psi
Injection Rate	Fast	
Back Pressure	< 145	psi

Notes

¹ Typical properties: these are not to be construed as specifications.