

Ultradur® B 4300 G6 LT BK15092

Polybutylene Terephthalate

BASF Corporation

Message:

Ultradur B 4300 G6 LT BK15092 is a 30% glass filled, pigmented black, injection molding PBT for industrial parts, rigid tough and dimensional stable applications.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Dimensional Stability		
	Good Toughness		
	High Rigidity		
Uses	Industrial Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	0.40	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Viscosity Number (Reduced Viscosity)	102.0	ml/g	ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	10000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	140	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2
Flexural Modulus (23°C)	9000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.6	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
-30°C	9.3	kJ/m ²	
23°C	64	kJ/m ²	
Notched Izod Impact Strength (23°C)	9.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	204	°C	ISO 75-2/A
Melting Temperature (DSC)	223	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	

Drying Time	4.0	hr
Suggested Max Moisture	0.040	%
Processing (Melt) Temp	250 to 270	°C
Mold Temperature	60.0 to 100	°C
Injection Pressure	3.45 to 10.3	MPa
Injection Rate	Fast	
Back Pressure	< 1.00	MPa

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

