

Ultradur® B 4300 G6 LS BK15073

Polybutylene Terephthalate

BASF Corporation

Message:

Ultradur B 4300 G6 LS BK15073 is a 30% glass filled, pigmented black, injection molding PBT for industrial parts, rigid tough and dimensional stable applications.

Applications

Typical applications include windshield wiper arms, printed circuit boards, housing, consoles, contact carriers, covers.

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		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Water Absorption			ISO 62
23°C, 24 hr	0.20	%	
Saturation, 23°C	0.40	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Viscosity Number (Reduced Viscosity)	101.0	ml/g	ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	135	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.7	%	ISO 527-2
Flexural Modulus (23°C)	8600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	8.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	206	°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	3.50 to 12.5	MPa
Injection Rate	Fast	
Back Pressure	< 1.00	MPa

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