

Ultradur® B 2300 G6 HR BK15116

Polybutylene Terephthalate

BASF Corporation

Product Description
 Ultradur B 2300 G6 HR BK15116 is a hydrolysis resistant, pigmented black 30% fiberglass reinforced PBT, exhibiting superior flow characteristics. Designed for improved latch strength in automotive connectors.

General	
Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight
Features	• Good Flow • Hydrolysis Resistant
Uses	• Automotive Applications • Connectors
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1520	kg/m ³	ISO 1183 ²
Viscosity Number	92.0	cm ³ /g	ISO 1628

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	134	MPa	ISO 527-2 ²
Tensile Strain (Break)	3.0	%	ISO 527-2 ²
Flexural Modulus (23°C)	8000	MPa	ISO 178
Flexural Strength (23°C)	190	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)	10.0	kJ/m ²	ISO 179/1eA ²
Charpy Unnotched Impact Strength (23°C)	63	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
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 275	°C
Mold Temperature	40.0 to 70.0	°C
Injection Pressure	3.50 to 12.5	MPa
Injection Rate	Fast	
Back Pressure	< 1.00	MPa

Notes

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

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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