

Ultradur® B 2300 G6 HR Unc

Polybutylene Terephthalate

BASF Corporation

Product Description

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

Ultradur B 2300 G6 HR Unc. was developed for thin walled automotive connectors designed to meet USCAR Class III requirements.

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
Agency Ratings	• USCAR III
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
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Density	1.52	g/cm ³	ISO 1183
Viscosity Number	90.0	cm ³ /g	ISO 1628

Mechanical	Nominal Value	Unit	Test Method
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Tensile Stress (Break, 23°C)	136	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	8000	MPa	ISO 178
Flexural Strength (23°C)	198	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
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Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	73	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
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Melting Temperature (DSC)	223	°C	ISO 3146
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Injection	Nominal Value	Unit
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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

Injection Notes

This product can be processed over mold temperatures of 60-100 °C (140-212 °F).

Notes

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

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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