

Ultradur® B 4043 G6 HR

Polybutylene Terephthalate

BASF Corporation

Product Description

Ultradur B 4043 G6 HR is a hydrolysis resistant, uncolored, 30% fiberglass reinforced PBT exhibiting superior surface finish and low warpage.

Ultradur B 4043 G6 HR was developed for thin walled automotive connectors and sensors designed to meet USCAR Class III and NaOH resistance requirements.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight
Features	• Good Surface Finish • Hydrolysis Resistant • Low Warpage
Uses	• Automotive Applications • Connectors • Thin-walled Parts
Agency Ratings	• USCAR III
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	117	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.9	%	ISO 527-2
Flexural Modulus (23°C)	7200	MPa	ISO 178
Flexural Strength (23°C)	175	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	78	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	265 to 280	°C
Mold Temperature	60.0 to 100	°C
Injection Pressure	3.50 to 12.5	MPa

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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