

Ultradur® B 4300 G6 LS High Speed BK15045

Polybutylene Terephthalate

Product Description

Ultradur B 4300 G6 LS High Speed BK15045 is a high flow, fast cycling with low warpage, 30% glass filled, pigmented black, injection molding PBT for industrial parts, rigid tough and dimensional stable applications.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight
Features	• Fast Molding Cycle • High Flow • Laser Markable • Low Warpage
Uses	• Housings • Printed Circuit Boards • Protective Coverings
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1540	kg/m ³	ISO 1183 ²
Melt volume-flow rate (250°C/2.16 kg)	27.0	cm ³ /10min	ISO 1133 ²
Viscosity Number	89.0	cm ³ /g	ISO 1628

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	9850	MPa	ISO 527-2 ²
Tensile Stress (Break)	140	MPa	ISO 527-2 ²
Tensile Strain (Break)	2.5	%	ISO 527-2 ²

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2 ²
0.45 MPa	220	°C	
1.8 MPa	205	°C	
Melting Temperature (DSC)	223	°C	ISO 3146

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.

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