

Ultradur® S 4090 G6 LS High Speed BK15077

Polybutylene Terephthalate

Product Description

Ultradur S 4090 G6 LS High Speed BK15077 is a high flow, fast cycling with low warpage, 30% glass filled injection molding PBT.

General

Material Status	• Commercial: Active	
Availability	• North America	
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight	
Features	• Good Chemical Resistance • High ESCR (Stress Crack Resist.)	• Laser Markable • Low Shrinkage
Uses	• Electrical Housing	• Housings
RoHS Compliance	• RoHS Compliant	
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value	Unit	Test Method
Density	1470	kg/m ³	ISO 1183 ²
Melt volume-flow rate (275°C/5.0 kg)	33.9	cm ³ /10min	ISO 1133 ²
Viscosity Number	102	cm ³ /g	ISO 1628

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	9900	MPa	ISO 527-2 ²
Tensile Stress (Break)	125	MPa	ISO 527-2 ²
Tensile Strain (Break)	2.1	%	ISO 527-2 ²

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2 ²
0.45 MPa	215	°C	
1.8 MPa	190	°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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