

Ultradur® S 4090 G6 LS High Speed BK15077

Polybutylene Terephthalate + ASA

BASF Corporation

Message:

Ultradur S 4090 G6 LS High Speed Black is a fast cycling low warpage, 30% glass filled injection molding PBT + ASA blend.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Fast Molding Cycle		
	Low Warpage		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	33.9	cm ³ /10min	ISO 1133
Viscosity Number (Reduced Viscosity)	102.0	ml/g	ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9900	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	125	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.1	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	190	°C	ISO 75-2/A
Melting Temperature (DSC)	223	°C	ISO 3146

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