

# Ultradur® S 4090 G6 LS BK15077

Polybutylene Terephthalate

BASF Corporation

## Message:

Ultradur S 4090 G6 LS BK15077 is a 30% glass reinforced PBT + ASA blend. It produces moldings with good surface finish and is resistant to chemicals and stress cracking. It has low shrinkage and warpage.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Chemical Resistance		
	High ESCR (Stress Crack Resist.)		
	Laser Markable		
	Low Shrinkage		
Uses	Electrical Housing		
	Housings		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm <sup>3</sup>	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	0.40	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Viscosity Number (Reduced Viscosity)	111.0	ml/g	ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	120	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.3	%	ISO 527-2
Flexural Modulus (23°C)	8510	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.0	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	192	°C	ISO 75-2/A
Melting Temperature (DSC)	223	°C	ISO 3146

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