

Ultramid® B3WG6 GPX BK23238

Polyamide 6

BASF Corporation

Message:

Glass fibre reinforced injection moulding grade.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Oil Resistant		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Apparent Density	0.70	g/cm ³	
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	25.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10200	MPa	ISO 527-2
Tensile Stress (Break)	200	MPa	ISO 527-2
Tensile Strain (Break)	3.9	%	ISO 527-2
Flexural Modulus	8640	MPa	ISO 178
Flexural Stress	298	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	17	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	98	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	208	°C	ISO 75-2/A
Additional Information	Nominal Value		
Polymer Abbreviation	PA6-GF30		
Injection	Nominal Value	Unit	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	80.0 to 90.0	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

