

Ultramid® B3EG7 BK00564

Polyamide 6

BASF Corporation

Message:

Ultramid B3EG7 BK00564 is a 35% glass fiber reinforced injection molding PA6 grade.

Applications

Typical applications include industrial articles and electrical insulating parts.

General Information				
UL YellowCard		E36632-531649	E41871-233688	
Filler / Reinforcement		Glass Fiber,35% Filler by Weight		
Features		Oil Resistant		
Uses		Electronic Insulation		
		Industrial Applications		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Appearance		Black		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.41	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	6.2	--	%	
Equilibrium, 23°C, 50% RH	2.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	11000	7200	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	200	130	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.5	7.0	%	ISO 527-2
Flexural Modulus (23°C)	10000	6300	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	33	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	100	110	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	19	27	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	220	--	°C	ISO 75-2/B

1.8 MPa, Unannealed	215	--	°C	ISO 75-2/A
Melting Temperature (DSC)	220	--	°C	ISO 3146
Injection	Dry	Unit		
Drying Temperature	83.0		°C	
Drying Time	2.0 to 4.0		hr	
Suggested Max Moisture	0.15		%	
Processing (Melt) Temp	270 to 295		°C	
Mold Temperature	80.0 to 95.0		°C	
Injection Pressure	3.50 to 12.5		MPa	
Injection Rate	Fast			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

