

Ultramid® A3WG7 HP BK20560

Polyamide 66

BASF Corporation

Message:

Ultramid A3WG7 HP BK20560 is a 35% glass reinforced, heat stabilized, injection molding PA66 grade with excellent flow and surface finish.

General Information				
Filler / Reinforcement		Glass Fiber,35% Filler by Weight		
Additive		Heat Stabilizer		
Features		Good Surface Finish		
		Heat Stabilized		
		High Flow		
		Oil Resistant		
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
Molding Shrinkage				ISO 294-4
Across Flow	0.80	--	%	
Flow	0.30	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	11200	8420	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	210	146	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.4	4.7	%	ISO 527-2
Flexural Modulus (23°C)	10000	7160	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-30°C	12	13	kJ/m ²	
23°C	15	18	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
-30°C	80	76	kJ/m ²	
23°C	95	100	kJ/m ²	
Notched Izod Impact Strength				ISO 180
-40°C	12	13	kJ/m ²	

23°C	14	17	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	246	--	°C	ISO 75-2/A
Melting Temperature (DSC)	260	--	°C	ISO 3146
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 to 4.0		hr	
Suggested Max Moisture	0.15		%	
Processing (Melt) Temp	280 to 305		°C	
Mold Temperature	80.0 to 90.0		°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

