

Ultramid® A3WG7 HP R01 BK20560

Polyamide 66

BASF Corporation

Message:

Ultramid A3WG7 HP R01 BK20560 is a 33% glass reinforced, heat stabilized, injection molding PA66 grade with excellent flow and surface finish.

General Information				
Filler / Reinforcement		Glass Fiber,33% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
		High Flow		
		Oil Resistant		
		Outstanding Surface Finish		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.90	--	%	
Flow	0.40	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	10700	7700	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	198	131	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.1	5.1	%	ISO 527-2
Flexural Modulus (23°C)	9800	7190	MPa	ISO 178
Flexural Stress (23°C)	287	205	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-30°C	10	10	kJ/m ²	
23°C	12	14	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
-30°C	60	60	kJ/m ²	
23°C	71	87	kJ/m ²	
Notched Izod Impact Strength				ISO 180
-40°C	10	10	kJ/m ²	
23°C	12	13	kJ/m ²	

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	259	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	244	--	°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	3.45 to 10.3	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

