

Ultramid® A3Z HP UV BK23220

Polyamide 66

BASF Corporation

Message:

Ultramid A3Z HP UV BK23220 is an impact modified PA66 containing heat and ultraviolet light stabilizers. Designed for maximum toughness at low temperatures, Ultramid A3Z HP UV BK23220 offers a unique combination of impact performance and excellent processability.

General Information			
Additive	Heat Stabilizer		
	Impact Modifier		
	UV Stabilizer		
Features	Good Impact Resistance		
	Good Processability		
	Good UV Resistance		
	Heat Stabilized		
	Impact Modified		
	Low Temperature Toughness		
	Oil Resistant		
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	1.08	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	46.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	50	%	ISO 527-2
Flexural Modulus (23°C)	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	22	kJ/m ²	
23°C	83	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	63.0	°C	ISO 75-2/A
Melting Temperature (DSC)	258	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	280 to 304	°C
Mold Temperature	60.0 to 100	°C
Injection Pressure	3.50 to 12.5	MPa
Back Pressure	0.00 to 0.350	MPa
Screw Speed	40 to 80	rpm
Screw Compression Ratio	3.0:1.0 to 4.0:1.0	

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

