

Ultramid® A3K BK00464

Polyamide 66

BASF Corporation

Message:

Ultramid A3K BK00464 is an easy flowing, pigmented black, injection molding grade PA66.

Applications

Typical applications include fast processing high stress technical parts or electrically insulating parts.

General Information			
UL YellowCard	E36632-531626	E41871-100119249	E41871-233737
Features	Fast Molding Cycle		
	Good Flow		
	Oil Resistant		
Uses	Electronic Insulation		
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	1.13	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	8.5	%	
Equilibrium, 23°C, 50% RH	2.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	87.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	4.2	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°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 300	°C	
Mold Temperature	40.0 to 80.0	°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

