

# Ultramid® B3K BK00464

Polyamide 6

BASF Corporation

## Message:

Ultramid B3K BK00464 is an easy flowing, stabilized PA6 product for fast processing.

### Applications

Typical applications include technical parts with wall thicknesses greater than 2 mm.

General Information			
UL YellowCard	E36632-531651	E41871-233693	
Features	Fast Molding Cycle		
	Good Flow		
	Oil Resistant		
Uses	Engineering Parts		
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	1.14	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3400	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	90.0	MPa	ISO 527-2
Flexural Modulus (23°C)	3000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179
Notched Izod Impact Strength (23°C)	5.0	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	64.0	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.15	%	
Processing (Melt) Temp	240 to 285	°C	
Mold Temperature	65.0 to 80.0	°C	
Injection Pressure	3.50 to 12.5	MPa	
Injection Rate	Fast		

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