

Ultramid® B 3L BK00464

Polyamide 6
BASF Corporation

Product Description

Ultramid B3L BK00464 is an impact-modified, pigmented black, easy flowing injection molding PA6 grade for fast processing.

Applications:

Typical applications include impact-resistant articles such as housings, fittings, small parts and anchors.

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Heat Stabilizer	• Impact Modifier	• Mold Release
Features	• Fast Molding Cycle	• Good Mold Release	• Low Temperature Impact Resistance
	• Good Abrasion Resistance	• Good Processability	• Low Viscosity
	• Good Chemical Resistance	• Good Stiffness	• Oil Resistant
	• Good Dimensional Stability	• Good Thermal Aging Resistance	• Semi Crystalline
	• Good Flow	• Heat Stabilized	
	• Good Impact Resistance	• Impact Modified	
Uses	• Automotive Applications	• Fittings	• Power/Other Tools
	• Engineering Parts	• Housings	
Appearance	• Black		
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Water Absorption			ISO 62
24 hr, 23°C	2.5	%	
Saturation, 23°C	9.0	%	
Equilibrium, 23°C, 50% RH	2.5	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2750	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	63.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	4.0	%	ISO 527-2
Flexural Modulus (23°C)	2240	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.8	kJ/m ²	ISO 179
Notched Izod Impact Strength			ISO 180
-40°C	4.60	kJ/m ²	
23°C	6.20	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			ISO 75-2/A
1.8 MPa, Unannealed	55.0	°C	
Melting Temperature (DSC)	220	°C	ISO 3146

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+13	ohm·cm	IEC 60093
Dielectric Constant			IEC 60250
100 Hz	4.00		
1 MHz	3.50		
Dissipation Factor			IEC 60250
100 Hz	100		
1 MHz	240		
Comparative Tracking Index	600	V	IEC 60112

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！

Ultramid® B 3L BK00464
Polyamide 6
BASF Corporation

Friday, December 18, 2009

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	240 to 270	°C
Mold Temperature	60.0 to 85.0	°C
Injection Pressure	3.50 to 12.5	MPa
Injection Rate	Fast	

Notes

¹ Typical properties: these are not to be construed as specifications.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！