

Ultramid® B 3ZG6 (Cond)

Polyamide 6
BASF Corporation

Product Description
Ultramid B3ZG6 is an impact-modified, 30% glass fiber reinforced injection molding PA6 grade for industrial items having very high impact strength and rigidity.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight		
Additive	• Heat Stabilizer	• Impact Modifier	
Features	• Good Abrasion Resistance • Good Chemical Resistance • Good Colorability • Good Dimensional Stability • Good Flow	• Good Processability • Good Stiffness • Good Thermal Aging Resistance • Good Toughness • Heat Stabilized	• Impact Modified • Low Viscosity • Oil Resistant • Semi Crystalline
Uses	• Automotive Applications • Housings	• Industrial Applications • Luggage	• Power/Other Tools
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	5300	MPa	ISO 527-2 ²
Tensile Stress (Break)	100	MPa	ISO 527-2 ²
Tensile Strain (Break)	10	%	ISO 527-2 ²
Flexural Modulus (23°C)	4000	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)	35.0	kJ/m ²	ISO 179/1eA ²
Charpy Unnotched Impact Strength (23°C)	110	kJ/m ²	ISO 179

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ³	1.0E+10	ohms	ASTM D257
Volume Resistivity (1.50 mm)	1.0E+10	ohm·cm	ASTM D257

Notes

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

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

³ 1.5 mm

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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