

# Ultramid® B 3L (Cond)

Polyamide 6  
BASF Corporation

## Product Description

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

## General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Heat Stabilizer	• Impact Modifier	• Mold Release
Features	• Fast Molding Cycle	• Good Processability	• Low Temperature Impact Resistance
	• Good Abrasion Resistance	• Good Stiffness	• Low Viscosity
	• Good Chemical Resistance	• Good Thermal Aging Resistance	• Oil Resistant
	• Good Dimensional Stability	• Heat Stabilized	• Semi Crystalline
	• Good Flow	• High Heat Resistance	
	• Good Impact Resistance	• Impact Modified	
Uses	• Automotive Applications	• Housings	
	• Engineering Parts	• Power/Other Tools	
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		
Multi-Point Data	• Creep Modulus vs. Time (ISO 11403-1)	• Isothermal Stress vs. Strain (ISO 11403-1)	
	• Isochronous Stress vs. Strain (ISO 11403-1)	• Secant Modulus vs. Strain (ISO 11403-1)	

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	900	MPa	ISO 527-2 <sup>2</sup>
Tensile Stress (Yield)	35.0	MPa	ISO 527-2 <sup>2</sup>
Tensile Strain (Yield)	18	%	ISO 527-2 <sup>2</sup>
Nominal strain at break	> 50	%	ISO 527-2 <sup>2</sup>

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)	No Break		ISO 179/1eA <sup>2</sup>
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179

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

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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

<sup>3</sup> 1.5 mm

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

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