

# Ultramid® B 27 E 01 (Cond)

## Polyamide 6

BASF Corporation

### Product Description

Ultramid B27 E 01 is a low viscosity general-purpose, extrusion PA6 grade well suited for compounding. It conforms to FDA requirements including, 21 CFR 177.1500, EU Directive 2002/72/EC, the German BfR recommendation "X Polyamide", 1.6.1998 or legislations for other countries will be provided on request.

### General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Low Viscosity	• Oil Resistant	
Uses	• Compounding	• Monofilaments	• Paper Coatings
Agency Ratings	• FDA 21 CFR 177.1500		
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	
Multi-Point Data	• Creep Modulus vs. Time (ISO 11403-1)	• Isothermal Stress vs. Strain (ISO 11403-1)	• Secant Modulus vs. Strain (ISO 11403-1)
	• Isochronous Stress vs. Strain (ISO 11403-1)		

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	1000	MPa	ISO 527-2 <sup>2</sup>
Tensile Stress (Yield)	45.0	MPa	ISO 527-2 <sup>2</sup>
Tensile Strain (Yield)	20	%	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)	60.0	kJ/m <sup>2</sup>	ISO 179/1eA <sup>2</sup>
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179

### 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.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

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