

# Ultramid® B 33 L 01

Polyamide 6  
BASF Corporation

## Product Description

Ultramid® B33 L 01 is a lubricated polyamide 6 grade of intermediate viscosity that is well suited for the production of biaxial oriented and cast film and monofilaments.

## General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Lubricant (0.050%)		
Features	• Lubricated	• Medium-high Viscosity	• Oil Resistant
Uses	• Bi-axially Oriented Film • Cast Film	• Film • Monofilaments	
Agency Ratings	• EU 2002/72/EC	• FDA 21 CFR 177.1500	
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Cast Film		

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ISO 1183
Apparent Density	0.70	g/cm <sup>3</sup>	ISO 60
Water Absorption			ISO 62
Saturation, 23°C	9.5	%	
Equilibrium, 23°C, 50% RH	2.6	%	
Viscosity Number (H2SO4 (Sulphuric Acid))	187 to 203	cm <sup>3</sup> /g	ISO 307

Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	220	°C	ISO 3146

## Additional Information

Density, ISO 1183: 1.12 to 1.15 g/cm<sup>3</sup>  
Extractables, ISO 6427, chips not ground/16h: 0.5%  
Film Grade, BASF Method: 1 to 3 mm<sup>2</sup>/kg  
Lubricant, BASF Method: 350 to 650 mg/kg  
Moisture Content, ISO 15512: 0.06%  
Pellet Shape: Cylindrical  
Pellet Size: 2 to 2.5 mm  
Relative Viscosity, 1% (m/v) in 96% (m/m) sulfuric acid, ISO 307: 3.19 to 3.41

## Notes

<sup>1</sup> 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](http://www.kedisujiao.com)

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