

Ultramid® B 40LN 01

Polyamide 6

BASF Corporation

Product Description

Ultramid B40LN 01 is a high viscosity, PA6 grade. Clarity and thermoformability are enhanced by the incorporation of nucleating and slip agent. 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	
Additive	• Lubricant	• Nucleating Agent	
Features	• High Viscosity	• Nucleated	• Oil Resistant
Uses	• Cast Film	• Monofilaments	• Multilayer Film
Agency Ratings	• FDA 21 CFR 177.1500		
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Film Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Apparent Density	0.70	g/cm ³	ISO 60
Water Absorption			ISO 62 ²
Saturation	9.5	%	
Equilibrium	2.6	%	
Viscosity Number (96% H ₂ SO ₄)	250	cm ³ /g	ISO 307

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

Additional Information	Nominal Value	Unit	Test Method
Moisture Content	< 0.10	%	ISO 15512
Pellet Shape	cylindrical		
Pellet Size	2.00 to 2.50	mm	
Relative Viscosity (1% in 96% Sulfuric Acid)	4.00		ISO 307

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.

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