

# Ultramid® B40 LN

Polyamide 6

BASF Corporation

## Message:

Ultramid® B40 LN is a polyamide 6 grade of high viscosity that is well suited for the production of blown and cast film. Clarity and thermoformability are enhanced by the incorporation of nucleating and slip agent.

General Information			
Additive	Nucleating Agent (250 to 550 ppm)		
	Slip (250 to 550 ppm)		
Features	Food Contact Acceptable		
	High Viscosity		
	Nucleated		
	Oil Resistant		
	Slip		
Uses	Cast Film		
	Film		
Agency Ratings	BfR Food Contact, Unspecified Rating		
	EC 1907/2006 (REACH)		
	EU 2002/72/EC		
	FDA 21 CFR 177.1500		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	1.12 to 1.15	g/cm <sup>3</sup>	ISO 1183
Apparent Density	0.78	g/cm <sup>3</sup>	
Water Absorption			ISO 62
Saturation, 23°C	9.5	%	
Equilibrium, 23°C, 50% RH	2.6	%	
Viscosity Number (96% H <sub>2</sub> SO <sub>4</sub> (Sulphuric Acid))	240 to 260	cm <sup>3</sup> /g	ISO 307
Extractables	< 0.6	%	ISO 6427
Moisture Content	< 0.060	%	ISO 15512

Relative Viscosity - 1% in 96% Sulfuric Acid 1	3.89 to 4.17		ISO 307
Film Grade	1.00 to 3.00		Internal Method
Pellet Shape	round		
Pellet Size	2.00 to 2.50	mm	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	220	°C	ISO 3146
NOTE			
1.	calculated by Huggins method		

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