

Ultramid® B36 LN

Polyamide 6

BASF Corporation

Message:

Ultramid® B36 LN is a polyamide 6 grade of intermediate to high viscosity that is well suited for the production of cast and blown film. Clarity and thermoformability are enhanced by the incorporation of nucleating and slip agent.

General Information			
Additive	Nucleating agent (400 ppm)		
	Sliding agent (400 ppm)		
Features	Nucleated		
	smoothness		
	Oil resistance		
	Medium and high viscosity		
Uses	Films		
	cast film		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1500		
	European 2002/72/EC		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Blow film		
	cast film		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Apparent Density	0.78	g/cm ³	ISO 60
Water Absorption			ISO 62
Saturated, 23°C	9.5	%	ISO 62
Equilibrium, 23°C, 50% RH	2.6	%	ISO 62
Viscosity Number (H ₂ SO ₄ (Sulphuric Acid))	210 - 226	cm ³ /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/cm³Extractables, ISO 6427, chips not ground/16h: 0.6%Film Grade, BASF Method: 1 to 3 mm²/kgLubricant, BASF Method: 250 to 550 mg/kgMoisture Content, ISO 15512: 0.06%Nucleating Agent, BASF Method: 250 to 550 mg/kgPellet Shape: RoundPellet Size: 2 to 2.5 mmRelative Viscosity, 1% (m/v) in 96% (m/m) sulfuric acid, ISO 307: 3.49 to 3.71

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