

Ultramid® B 36 LN

Polyamide 6

BASF Corporation

Product Description

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

Material Status	• Commercial: Active
Availability	• Europe
Additive	• Nucleating Agent (0.040%) • Slip (0.040%)
Features	• Medium-high Viscosity • Oil Resistant • Nucleated • Slip
Uses	• Cast Film • Film
Agency Ratings	• EU 2002/72/EC • FDA 21 CFR 177.1500
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Blown 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
Saturation, 23°C	9.5	%	
Equilibrium, 23°C, 50% RH	2.6	%	
Viscosity Number (H ₂ SO ₄ (Sulphuric Acid))	210 to 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/cm³
Extractables, ISO 6427, chips not ground/16h: 0.6%
Film Grade, BASF Method: 1 to 3 mm²/kg
Lubricant, BASF Method: 250 to 550 mg/kg
Moisture Content, ISO 15512: 0.06%
Nucleating Agent, BASF Method: 250 to 550 mg/kg
Pellet Shape: Round
Pellet Size: 2 to 2.5 mm
Relative Viscosity, 1% (m/v) in 96% (m/m) sulfuric acid, ISO 307: 3.49 to 3.71

Notes

¹ Typical properties: these are not to be construed as specifications.

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