

Ultramid® B36

Polyamide 6

BASF Corporation

Message:

Ultramid® B36 is a polyamide 6 grade of intermediate to high viscosity that is well suited for the production of cast and blown film and monofilaments.

General Information	
Features	Oil resistance
	Medium and high viscosity
Uses	Films
	monofilament
	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

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 (H2SO4 (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/cm ³ Extractables, ISO 6427, chips not ground/16h: 0.6%Film Grade, BASF Method: 1 to 3 mm ² /kgMoisture Content, ISO 15512: 0.06%Pellet 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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