

Ultramid® B 27 E

Polyamide 6

BASF Corporation

Product Description

Ultramid® B27 E is a polyamide 6 grade of low viscosity that is well suited for compounding and the production of monofilaments.

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• Low Viscosity • Oil Resistant
Uses	• Compounding • Monofilaments
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Compounding

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	8.5	%	
Equilibrium, 23°C, 50% RH	2.2	%	
Viscosity Number (H ₂ SO ₄ (Sulphuric Acid))	142 to 158	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%
Moisture Content, ISO 15512: 0.1%
Pellet Shape: Round
Pellet Size: 2 to 2.5 mm
Relative Viscosity, 1% (m/v) in 96% (m/m) sulfuric acid, ISO 307: 2.62 to 2.83

Notes

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

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