

# Ultramid® B33 L

Polyamide 6

BASF Corporation

## Message:

Ultramid® B33 L is a lubricated polyamide 6 grade of intermediate viscosity that is well suited for the production of biaxial oriented and cast film and monofilaments.

General Information			
UL YellowCard	E41871-233709		
Additive	Lubricant (500 ppm)		
Features	Oil resistance		
	Lubrication		
	Medium viscosity		
Uses	Bi-axially Oriented Film		
	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	cast film		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Apparent Density	0.78	g/cm³	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))	187 - 203	cm³/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: 0.5%Film Grade, BASF Method: 1 to 3 mm²/kgLubricant, BASF Method: 350 to 650 mg/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: 3.19 to 3.41

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

