

# Ultramid® C33 L

Polyamide 66/6 Copolymer

BASF Corporation

## Message:

Ultramid® C33 L is a lubricated copolyamide 6/66 grade of intermediate viscosity for the production of multilayer film and monofilaments. Ultramid® C33 L is well suited for the production of nonsymmetric blown film with reduced curl. Its lower melting point than standard PA 6 is advantageous for coextrusion with temperature sensitive polymers like EVOH.

General Information			
Additive	Lubricant		
Features	Lubricated		
	Medium Viscosity		
Uses	Film		
	Monofilaments		
	Multilayer Film		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/72/EC		
	FDA 21 CFR 177.1500		
RoHS Compliance	RoHS Compliant		
Processing Method	Blown Film		
	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Apparent Density	0.78	g/cm <sup>3</sup>	
Water Absorption			
Saturation, 23°C	11	%	
Equilibrium, 23°C, 50% RH	3.2	%	
Viscosity Number	187 to 203	cm <sup>3</sup> /g	ISO 307
Extractables <sup>1</sup>	< 0.8	%	ISO 6427
Moisture Content	< 0.080	%	ISO 15512
Relative Viscosity - 1% in 96% Sulfuric Acid	3.19 to 3.41		ISO 307
Film Grade	1.00 to 3.00		Internal Method
Lubricant	250 to 550	mg/kg	Internal Method
Pellet Shape	Round		
Pellet Size	2.00 to 2.50	mm	
Thermal	Nominal Value	Unit	Test Method

Melting Temperature (DSC)	195 to 197	°C	ISO 3146
NOTE			

1. chips not ground, 16 hr

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