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BASF SE

# Ultramid® C33 L

## Product description

Ultramid® C33 L is a lubricated copolyamide 6/66 grade of intermediate viscosity for the production of multilayer film. 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.

Specification	Test method	Unit	Value
Relative Viscosity (RV) 1% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307 (calculated by Huggins method)		3.19 - 3.41
Viscosity Number (VN) 0,5% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307	ml/g	187 - 203
Moisture content	According to ISO 15512	% [m/m]	max. 0.08
Extractables	According to ISO 6427- chips not ground/16h	% [m/m]	max. 0.8
Lubricant	BASF method	(mg/kg)	250 - 550
Film grade	BASF method		1 - 3

## General properties

	Test method	Unit	Typical value
Melting point	According to ISO 3146	°C	195 - 197
Density	According to ISO 1183	g/cm <sup>3</sup>	1.12
Bulk density		kg/m <sup>3</sup>	780
Pellet size		mm	2 - 2.5
Pellet shape			round
Water absorption, 23°C/50% rh		%	3.2
Water absorption, saturation in water 23°C		%	10.5

**Supply form and storage**

Ultramid® C33 L is supplied pre-dried and ready for processing in a variety of moisture proof containers, such as boxes, bigbags (Asia) and bulk containers. The material must be protected against moisture during storage. A storage time of 6 months should not be exceeded. Opened bags should be used up immediately in order to prevent moisture pickup.

**Food legislation**

Certificates regarding the status of Ultramid® C33 L with respect to the FDA Regulation 21 CFR 177.1500 "Nylon Resins" (with the restriction for use only in laminate structures as specified under 21 CFR 177.1395 (a),(b)(4) for non-food contact layers in laminate structures and for use only with non-alcoholic foods at temperatures not to exceed 180F), the European Regulation 2002/72/EC, the German BfR recommendation "X.Polyamide", 1.6.1998 (Bedarfsgegenständeverordnung in der Neufassung vom 23.12.97 einschließlich der neunten Verordnung zur Änderung der Bedarfsgegenständeverordnung vom 07.04.2003) or legislations for other countries will be provided on request.

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**Further information**

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