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BASF SE

# Ultramid® C33 LN

## Product description

Ultramid® C33 LN is a copolyamide 6/66 grade of intermediate viscosity for the production of multilayer film. 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. 0.06
Extractables	According to ISO 6427- chips not ground/16h	% [m/m]	max. 0.8
Lubricant	BASF method	(mg/kg)	250 - 550
Nucleating agent	BASF method	(mg/kg)	250 - 550
Film grade	BASF method		1 - 3

## General properties

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 LN is supplied pre-dried and ready for processing in a variety of moisture proof containers, such as bags, boxes, bigbags (Asia) and bulk containers. The material must be protected against moisture during storage. A storage time in packed form of 6 months should not be exceeded. Opened bags should be used up immediately in order to prevent moisture pickup. While unloading bulk containers and storing Ultramid® C33 LN in silos, handling instructions defined in a specific information sheet have been taken in consideration.

**Food legislation**

Ultramid® film grades (Ultramid® B, C) comply with the current legislation on plastics in contact with food in Europe, USA and China. If you need details on the food approval status of a particular Ultramid® grade, please contact BASF directly at [plastics.safety@basf.com](mailto:plastics.safety@basf.com). We will be happy to provide you with an up-to-date declaration of conformity based on the current legal regulations.

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**Further information**

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