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BASF SE

# Ultramid® B40 LN

## Product description

Ultramid® B40 LN is a polyamide 6 grade of high viscosity that is well suited for the production of blown and cast film. Clarity and thermoformability are enhanced by the incorporation of nucleating and slip agent.

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)		3.89 - 4.17
Viscosity Number (VN) 0,5% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307	ml/g	240 - 260
Moisture content	According to ISO 15512	% [m/m]	max. 0.06
Extractables	According to ISO 6427- chips not ground/16h	% [m/m]	max. 0.6
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	220
Density	According to ISO 1183	g/cm <sup>3</sup>	1.12 - 1.15
Bulk density		kg/m <sup>3</sup>	780
Pellet size		mm	2 - 2.5
Pellet shape			round
Water absorption, 23°C/50% rh		%	2.6
Water absorption, saturation in water 23°C		%	9.5

<b>Supply form and storage</b>	<p>Ultramid® B40 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® B40 LN in silos, handling instructions defined in a specific information sheet have been taken in consideration.</p>	
<b>Food legislation</b>	<p>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 <a href="mailto:plastics.safety@basf.com">plastics.safety@basf.com</a>. We will be happy to provide you with an up-to-date declaration of conformity based on the current legal regulations.</p>	
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