

# Ultramid<sup>®</sup> B36 LN 01

® = registered trademark of BASF SE

Ultramid<sup>®</sup> B36 LN 01 is a polyamide 6 grade of intermediate to high viscosity that is well suited for the production of cast and blown film. Clarity and thermoformability are enhanced by the incorporation of nucleating and slip agent.

<b>Production Site</b>	Freeport, USA		
<b>Identification</b>	CAS N° 25038-54-4		
<b>Specification</b>			
<b>Parameter</b>	<b>Test method</b>	<b>Unit</b>	<b>Value</b>
Relative Viscosity (RV) 1% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307 (calculated by Huggins method)		3.49 - 3.71
Viscosity Number (VN) 0,5% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307	ml/g	210 - 226
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 - 50
<b>General properties</b>			
<b>Parameter</b>	<b>Test method</b>	<b>Unit</b>	<b>Value</b>
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>	700
Pellet size		mm	2 - 2.5
Pellet shape			cylindrical
Water absorption, 23°C/50% rh		%	2.6
Water absorption, saturation in water 23°C		%	9.5

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**Supply form and storage**

Ultramid® B36 LN 01 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 12 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® B36 LN 01 in silos, handling instructions defined in a specific information sheet have been taken in consideration.

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**Food legislation**

Ultramid® film grades (Ultramid® A, B, C) comply with the current legislation on plastics in contact with food in several regions. 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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**Disclaimer**

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**Medical disclaimer**

BASF has not developed or tested its plastics especially for the use in medical devices (defined in risk classes I to III according to the European and US Medical Device legislation) and pharmaceutical applications. Therefore BASF makes no warranties, express or implied, concerning the suitability of any BASF plastics for use in any medical device and pharmaceutical applications. BASF does not supply its plastics for the manufacture of implants of any risk class. Please inform us in advance, if you intend to use BASF plastics in medical devices or pharmaceutical applications.

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**This TDS is also valid for sustainable versions of the product e.g. "Cycled®", "BMB", "BMBcert™", "LowPCF", "ZeroPCF", "Renewable", "REDcert²".**

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More information? Please visit us at [nylon-polyamides.basf.us](https://nylon-polyamides.basf.us)

