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BASF SE

Ultramid® B33 SL

Product description

Ultramid® B33 SL is a lubricated polyamide grade of intermediate viscosity. It combines the regular mechanical and barrier performance of PA 6 with improved processing behavior in production of BOPA film and monofilaments. Properties like improved transparency, softness and drawing behavior are targeted.

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. 0.5
Lubricant	BASF method	(mg/kg)	350 - 650
Film grade	BASF method		1 - 3

General properties

Test method	Unit	Typical value
Melting point	According to ISO 3146 °C	215
Density	According to ISO 1183 g/cm ³	1.12 - 1.15
Bulk density	kg/m ³	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

Supply form and storage

Ultramid® B33 SL 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® B33 SL 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. 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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Please inform us in advance, if you intend to use BASF plastics in medical devices or pharmaceutical applications.

Further information

Europe: www.basf.de
extrusion.ultramid@basf.com

Tel.: +49 621 60 42888

NAFTA: www.basf.com
www.plasticsportal.com

Tel.: +1 800 527 8324

Asia: www.basf.com
polymer-hk@basf.com

Tel.: +852 2731 1247