

Product Information**April 2004**

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Ultramid® B40LN 01

Product description

Ultramid® B40LN 01 is a polyamide 6 grade of high viscosity that is well suited for the production of blown and cast film and monofilaments. Clarity and thermoformability are enhanced by the incorporation of nucleating and slip agent.

Supply form and storage

Ultramid® B40LN 01 is supplied pre-dried and ready for processing in a variety of moisture proof containers, such as boxes, bigbags (Asia) and bulk containers.

Food legislation

Certificates regarding the status of Ultramid® B40LN 01 with respect to the FDA Regulation 21 CFR 177.1500 "Nylon Resins", 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.

Note

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Typical properties

Pellet properties

	Test Method	Unit	Value
Viscosity Number (0.5% in 96% H ₂ SO ₄)	ISO 307	cm ³ /g	250
RV (1% in 96% H ₂ SO ₄)	ISO 307		4.0
Melting point	ISO 3146	°C	220
Density	ISO 1183	g/cm ³	1.13
Bulk density		kg/m ³	700
Pellet shape			cylindrical
Pellet size		mm	2 –2.5
Moisture content	ISO 960 D	%	< 1.0
Water absorption, 23°C/50% rh		%	2.6
Water absorption, saturation in water 23°C		%	9.5

Processing

Ultramid® B40LN 01 may be processed on standard extrusion equipment. Extruder screws of L:D 24-30 and compression ratio 3.0-3.5 are recommended.

Typical extruder settings are: zone 1 (feeding zone): 250-270°C, zone 2-4: 240-270°C, adapter: 240-260°C, die: 240-260°C

Further information

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