

Ultramid[®] B40 LN 01

® = registered trademark of BASF SE

Ultramid[®] B40 LN 01 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.

Production Site	Freeport, USA		
Identification	CAS N° 25038-54-4		
Specification			
Parameter	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
General properties			
Parameter	Test method	Unit	Value
Melting point	According to ISO 3146	°C	220
Density	According to ISO 1183	g/cm ³	1.12 - 1.15
Bulk density		kg/m ³	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

Supply form and storage

Ultramid® B40 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® B40 LN 01 in silos, handling instructions defined in a specific information sheet have been taken in consideration.

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

More information? Please visit us at nylon-polyamides.basf.us

