

Ultramid® C40 L

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Ultramid® C40 L is a lubricated copolyamide 6/66 grade of high viscosity for the production of monofilaments and blown film. Ultramid® C40 L is well suited for the production of high transparency, nonsymmetric blown film with reduced curl. Its very low melting point compared to standard PA 6 is advantageous for coextrusion with temperature sensitive polymers like EVOH.

Production Site	Ludwigshafen, Germany		
Identification	CAS N° 24993-04-2		
Specification			
Parameter	Test method	Unit	Value
Relative Viscosity (RV) 1% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307		3.89 - 4.17
Viscosity Number (VN) 0,5% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307 (calculated by Huggins method)	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. 0.8
Lubricant	BASF method	(mg/kg)	250 - 550

General properties			
Parameter	Test method	Unit	Value
Melting point	According to ISO 3146	°C	188 - 190
Density	According to ISO 1183	g/cm ³	1.12
Bulk density		kg/m ³	780
Pellet size		mm	2 - 2.5
Pellet shape			round
Water absorption, 23°C/50% rh		%	3.2
Water absorption, saturation in water 23°C		%	10.5

Supply form and storage	Ultramid® C40 L 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® C40 L 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®”, “ZERO”, “BMB”, “BMBcert™”, “LowPCF”, “Renewable”, “REDcert2”.	

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More information? Please visit us at www.monomers.basf.com