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BASF SE

Ultramid® C40 L 07

Product description

Ultramid® C40 L 07 is a lubricated copolyamide 6/66 grade of high viscosity for the production of monofilaments and blown film. Ultramid® C40 L 07 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.

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)		3.89 - 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. 0.08
Extractables	According to ISO 6427- chips not ground/16h	% [m/m]	max. 0.8
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	188 - 190
Density	According to ISO 1183	g/cm ³	1.12
Bulk density		kg/m ³	700
Pellet size		mm	2 - 2.5
Pellet shape			cylindrical
Water absorption, 23°C/50% rh		%	3.2
Water absorption, saturation in water 23°C		%	10.5

Supply form and storage

Ultramid® C40 L 07 is supplied pre-dried and ready for processing in a variety of moisture proof containers, such as boxes, bigbags (Asia) and bulk containers. The material must be protected against moisture during storage. A storage time of 6 months should not be exceeded. Opened bags should be used up immediately in order to prevent moisture pickup.

Food legislation

Certificates regarding the status of Ultramid® C40 L 07 with respect to the 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.

The composition of the product complies with FDA Regulation 21 CFR 177.1500 "Nylon resins", Section (b) 4.2 and should be used only for laminates complying with 21 CFR 177.1395

Additionally, the product is subject of Food Contact Notification (FCN) 731, which is accepted by the United States Food and Drug Administration (FDA) and valid since August 14th, 2007.

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