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BASF SE

Ultramid® C40 LX

Product description

Ultramid® C40 LX is a copolyamide 6/66 grade of high viscosity for the production of monofilaments. Improved transparency and gloss are enhanced by the incorporation of a high dosage of lubricant.

| 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) | 1400 - 2000 |
| 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 | 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 LX 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 LX 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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Further information

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