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BASF SE

Ultramid® B33 01

Product description

Ultramid® B33 01 is a polyamide 6 grade of intermediate viscosity that is well suited for the production of biaxial oriented and cast film and monofilaments.

Specification

| 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) | | 3.19 - 3.41 |
| Viscosity Number (VN) 0,5% [m/v] in 96% [m/m] sulfuric acid | According to ISO 307 | ml/g | 187 - 203 |
| 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 |
| Film grade | BASF method | | 1 - 3 |

General properties

| General properties | Test method | Unit | Typical 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® B33 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® B33 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, Flex F) 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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Please inform us in advance, if you intend to use BASF plastics in medical devices or pharmaceutical applications.

Further information

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