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BASF SE

Ultramid® B40 L

Product description

Ultramid® B40 L is a lubricated polyamide 6 grade of high viscosity that is well suited for the production of blown and cast film and monofilaments.

| 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. 0.06 |
| Extractables | According to ISO 6427- chips not ground/16h | % [m/m] | max. 0.6 |
| Lubricant | BASF method | (mg/kg) | 250 - 550 |
| Film grade | BASF method | | 1 - 3 |

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 | 780 |
| Pellet size | | mm | 2 - 2.5 |
| Pellet shape | | | round |
| Water absorption, 23°C/50% rh | | % | 2.6 |
| Water absorption, saturation in water 23°C | | % | 9.5 |

| | | |
|--------------------------------|---|--|
| Supply form and storage | <p>Ultramid® B40 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 6 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 L in silos, handling instructions defined in a specific information sheet have been taken in consideration.</p> | |
| Food legislation | <p>Ultramid® film grades (Ultramid® B, C) comply with the current legislation on plastics in contact with food in Europe, USA and China. 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.</p> | |
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