

# Ultramid® B27 E

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Ultramid® B27 E is a polyamide 6 grade of low viscosity that is well suited for compounding and the production of monofilaments.

|                                                             |                        |       |             |
|-------------------------------------------------------------|------------------------|-------|-------------|
| Production Site                                             | Freeport, USA          |       |             |
| Identification                                              | CAS N° 25038-54-4      |       |             |
| Specification                                               |                        |       |             |
| Parameter                                                   | Test method            | Unit  | Value       |
| Relative Viscosity (RV) 1% [m/v] in 96% [m/m] sulfuric acid | According to ISO 307   |       | 2.62 - 2.83 |
| Moisture content                                            | According to ISO 15512 | %     | max. 0.10   |
| Extractables                                                | According to ISO 6427  | %     | max. 0.6    |
| General properties                                          |                        |       |             |
| Parameter                                                   | Test method            | Unit  | Value       |
| Melting point                                               | According to ISO 3146  | °C    | 220         |
| Density                                                     | According to ISO 1183  | g/cm³ | 1.12 - 1.15 |
| Bulk density                                                |                        | kg/m³ | 780         |
| Pellet size                                                 |                        | mm    | 2 - 2.5     |
| Pellet shape                                                |                        |       | round       |
| Water absorption, 23°C/50% rh                               |                        | %     | 2.2         |
| Water absorption, saturation in water 23°C                  |                        | %     | 8.5         |

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| <b>Supply form and storage</b>                                                                                                                             | Ultramid® B27 E 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 12 months should not be exceeded. Opened bags should be used up immediately in order to prevent moisture pickup.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Food legislation</b>                                                                                                                                    | 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 <a href="mailto:plastics.safety@basf.com">plastics.safety@basf.com</a> . 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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| <p><b>This TDS is also valid for sustainable versions of the product e.g. “Cycled”, “BMB”, “BMBcert”, “LowPCF”, “ZeroPCF”, “Renewable”, “REDcert”.</b></p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |