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BASF SE

Ultramid® A27 AE 1 G

Product description

Ultramid®, the high performance Polyamide 6.6 Polymer for engineering plastics applications.

Identification CAS N° 32131-17-2

Specification ⁽¹⁾

| | Test method | Unit | Value |
|--|-------------------|-------|-------------|
| Relative Viscosity (RV) in 90% formic acid | BASF method P-018 | | 46.7 - 52.6 |
| Moisture content | BASF method P-043 | % | max. 0.35 |
| Yellow index on pellets | BASF method P-025 | | max. 1 |
| Black spots count > 1 mm | BASF method P-057 | n°/kg | 0 |
| ≤ 1 mm and > 0.3 mm | | n°/kg | max. 5 |
| Granulometry | BASF method P-026 | g/100 | 2.75 - 3.25 |

Indications ⁽²⁾

| | Test method | Unit | Typical value |
|--|-------------|------|---------------|
| Relative Viscosity (RV) in 96% sulfuric acid | calculated | | 2.63 - 2.75 |
| Index of Viscosity in 90% formic acid | calculated | ml/g | 133 - 143 |
| Index of Viscosity in 96% sulfuric acid | calculated | ml/g | 144 - 153 |

General properties

| | Test method | Unit | Typical value |
|----------------------------|---------------------------------------|-------------------|---------------|
| Melting point | According to ISO 3146 | °C | 265 |
| Solidification temperature | | °C | 220 |
| Density | According to ISO 1183 | g/cm ³ | 1.14 |
| Bulk density | | kg/m ³ | 600 - 700 |
| Appearance | Solid, white, quasi cylindrical chips | | |

⁽¹⁾ These measurements appear in the Certificate of Analysis; Our analytical methods are available upon request

⁽²⁾ For reference only, converted values

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|--|--|------------------------|
| Supply form and storage | Ultramid® A27 AE 1 G is supplied pre-dried in Bulk in tank truck, or dry container with PE Liner. Please contact your Sales Representative for other packaging sizes. The material must be protected against moisture during storage. A storage time of 12 months should not be exceeded. Packaging must be kept closed, stored under cover and sheltered in a dry place. Opened bags should be used up immediately in order to prevent moisture pickup. | |
| Health & safety / transport regulations | The safety data sheet is available upon request. | |
| Quality & S.H.E. certifications | The Quality and Safety Health Environment Management Systems in place in all our organizations are inspected and certified according to recognized standards. Our production sites are also ISO 9001 & some sites ISO 14001 as well. Certificates are available upon request. | |
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| | Or contact your Sales Representative. | |