

Ultramid® B27 SD 05

Polyamide 6

BASF Corporation

Message:

Ultramid® B27 SD 05 is a polyamide 6 for the production of semi dull textile and carpet fibers.

| General Information | | | |
|--|--|--------------------|-------------|
| Additive | Titanium dioxide (TiO ₂) (3000 ppm) UV stabilizer | | |
| Features | Oil resistance | | |
| Uses | Fiber | | |
| Agency Ratings | EC 1907/2006 (REACH) | | |
| RoHS Compliance | RoHS compliance | | |
| Forms | Particle | | |
| Processing Method | Fiber (spinning) extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.14 | g/cm ³ | ISO 1183 |
| Apparent Density | 0.63 | g/cm ³ | ISO 60 |
| Viscosity Number (H ₂ SO ₄ (Sulphuric Acid)) | 146 - 151 | cm ³ /g | ISO 307 |
| Thermal | Nominal Value | Unit | Test Method |
| Melting Temperature (DSC) | 220 | °C | ISO 3146 |
| Additional Information | | | |

Amino End-groups, BASF Method: 35 to 39 meq/kgColor Number, BASF Method: max. 5 APHADensity, ISO 1183: 1.12 to 1.15 g/cm³Extractables, ISO 6427, chips not ground/16h: 0.6%Moisture Content, ISO 15512: 0.06%Pellet Shape: CylindricalPellet Size: 2 to 2.5 mmSpecific Chip Number: approx. 80/gTitanium Dioxide Pigment Content, ISO 3451-4: 0.28 to 0.32%Relative Viscosity, 1% (m/v) in 96% (m/m) sulfuric acid, ISO 307: 2.67 to 2.73

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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