

Ultramid® C31 01

Polyamide 66/6 Copolymer

BASF Corporation

Message:

Ultramid® C31 01 is a copolyamide 6/66 grade of low viscosity that is well suited for the production of compounds and blends.

| General Information | | | |
|--|----------------------|--------------------|-----------------|
| Features | Low Viscosity | | |
| Uses | Blending | | |
| | Compounding | | |
| Agency Ratings | EC 1907/2006 (REACH) | | |
| RoHS Compliance | RoHS Compliant | | |
| Forms | Pellets | | |
| Processing Method | Compounding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.12 | g/cm ³ | ISO 1183 |
| Apparent Density | 0.70 | g/cm ³ | ISO 60 |
| Water Absorption | | | ISO 62 |
| Saturation, 23°C | 11 | % | |
| Equilibrium, 23°C, 50% RH | 3.2 | % | |
| Viscosity Number (H ₂ SO ₄ (Sulphuric Acid)) | 169 to 183 | cm ³ /g | ISO 307 |
| Extractables ¹ | < 0.8 | % | ISO 6427 |
| Moisture Content | < 0.080 | % | ISO 15512 |
| Relative Viscosity - 1% in 96% Sulfuric Acid | 2.96 to 3.15 | | ISO 307 |
| Film Grade | 1.00 to 3.00 | | Internal Method |
| Pellet Shape | Cylindrical | | |
| Pellet Size | 2.00 to 2.50 | mm | |
| Thermal | Nominal Value | Unit | Test Method |
| Melting Temperature (DSC) | 195 to 198 | °C | ISO 3146 |
| NOTE | | | |

1. chips not ground, 16 hr

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