



Ravamid® B MGF 20/10 H BK27

Ravago Manufacturing Europe - Polyamide 6

General Information

Product Description

Polyamide 6 black, 20% mineral, 10% glass fiber filled, Heat Stabilized, deep black designed for high aesthetical applications

General

| | |
|------------------------|--|
| Material Status | • Commercial: Active |
| Availability | • Europe |
| Filler / Reinforcement | • Glass Fiber, 10% Filler by Weight • Mineral, 20% Filler by Weight |
| Additive | • Heat Stabilizer |
| Recycled Content | • Yes |
| Features | • Heat Stabilized • Pleasing Surface Appearance |
| Appearance | • Black |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|----------------|
| Density | 1.35 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (275°C/5.0 kg) | 55 | g/10 min | ISO 1133 |
| Molding Shrinkage | | | |
| Across Flow | 0.75 | % | |
| Flow | 0.30 | % | |
| Humidity | < 0.20 | % | ISO 960 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 7000 | MPa | ISO 527-1 |
| Tensile Stress (Break) | 100 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 5.0 | % | ISO 527-2 |
| Flexural Modulus | 6400 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | | | ISO 179 |
| -23°C | 4.0 | kJ/m ² | |
| 23°C | 5.0 | kJ/m ² | |
| Charpy Unnotched Impact Strength | | | ISO 179 |
| -30°C | 35 | kJ/m ² | |
| 23°C | 40 | kJ/m ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ISO 75-2/A |
| 1.8 MPa, Unannealed | 185 | °C | |
| Flammability | Nominal Value | Unit | Test Method |
| Burning Rate ² | < 100 | mm/min | ISO 3795 |
| Flame Rating | | | UL 94 |
| 1.6 mm | | HB | |
| 3.2 mm | | HB | |
| Glow Wire Flammability Index (2.0 mm) | 650 | °C | IEC 60695-2-12 |