



Ravamid® B GF 15 BK

Ravago Manufacturing Europe - Polyamide 6

General Information

Product Description

Polyamide 6 black, containing recycled material, 15% glass fibre reinforced, also available Heat Stabilized (H) and UV Stabilized (UV)

General

| | |
|------------------------|-------------------------------------|
| Material Status | • Commercial: Active |
| Availability | • Europe |
| Filler / Reinforcement | • Glass Fiber, 15% Filler by Weight |
| Recycled Content | • Yes |
| Appearance | • Black |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---------------------------------------|---------------|-------------------|----------------|
| Density | 1.23 | g/cm ³ | ISO 1183 |
| Molding Shrinkage | | | |
| Across Flow | 1.0 | % | |
| Flow | 0.75 | % | |
| Humidity | < 0.20 | % | ISO 960 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 2800 | MPa | ISO 527-1 |
| Tensile Stress (Break) | 80.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 5.0 | % | ISO 527-2 |
| Flexural Modulus | 3500 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 4.5 | kJ/m ² | ISO 179 |
| Notched Izod Impact Strength (23°C) | 5.0 | kJ/m ² | ISO 180 |
| 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 |
| 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 |

Notes

¹ Typical properties: these are not to be construed as specifications.