



Sicoblend® N108

Ravago Manufacturing Europe - Acrylonitrile Butadiene Styrene + PA

General Information

Product Description

PA/ABS 8% glass fibre filled grade

General

| | |
|------------------------|--------------------------------------|
| Material Status | • Commercial: Active |
| Availability | • Europe |
| Filler / Reinforcement | • Glass Fiber, 8.0% Filler by Weight |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|----------------|
| Density | 1.12 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (240°C/10.0 kg) | 20 | g/10 min | ISO 1133 |
| Molding Shrinkage | 0.40 to 0.50 | % | ISO 2577 |
| Water Absorption (24 hr, 23°C) | 1.2 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 55.0 | MPa | ISO 527-2 |
| Tensile Stress (Break) | 50.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 7.0 | % | ISO 527-2 |
| Flexural Modulus | 3000 | MPa | ISO 178 |
| Flexural Stress (23°C) | 70.0 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 10 | kJ/m ² | ISO 179 |
| Charpy Unnotched Impact Strength (23°C) | 30 | kJ/m ² | ISO 179 |
| Notched Izod Impact Strength | | | ISO 180/A |
| -30°C | 4.0 | kJ/m ² | |
| 23°C | 10 | kJ/m ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Annealed) | 97.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 112 | °C | ISO 306/B50 |
| Melting Temperature (DSC) | 235 | °C | ISO 3146 |
| 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.