

HAIPLEN H30 G3 BA

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

HAIPLEN H30 G3 BA is a Polypropylene Homopolymer (PP Homopolymer) product filled with 15% glass fiber. It can be processed by injection molding and is available in Europe.

Characteristics include:

- Flame Rated
- Chemically Coupled
- Homopolymer

| General Information | | | |
|---|----------------------------------|-------------------|-----------------|
| Filler / Reinforcement | Glass Fiber,15% Filler by Weight | | |
| Features | Chemically Coupled | | |
| | Homopolymer | | |
| | Medium Flow | | |
| Appearance | Colors Available | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.960 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 6.0 | g/10 min | ISO 1133 |
| Molding Shrinkage | | | Internal Method |
| Across Flow | 0.60 to 0.80 | % | |
| Flow | 0.50 to 0.70 | % | |
| Water Absorption (23°C, 24 hr) | 0.050 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Break) | 40.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Break) | 10 | % | ISO 527-2/50 |
| Flexural Modulus ¹ | 3500 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 45 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 110 | °C | ISO 75-2/A |
| Vicat Softening Temperature | | | |
| -- | 150 | °C | ISO 306/A50 |
| -- | 120 | °C | ISO 306/B50 |
| Flammability | Nominal Value | Unit | Test Method |
| Burning Rate ² (2.00 mm) | < 100 | mm/min | ISO 3795 |
| Flame Rating (1.60 mm) | HB | | UL 94 |

| Oxygen Index | 21 | % | ASTM D2863 |
|---------------------------------|---------------|------|------------|
| Injection | Nominal Value | Unit | |
| Drying Temperature - Pre-heater | 70.0 to 80.0 | °C | |
| Drying Time - Pre-heater | 1.0 | hr | |
| Processing (Melt) Temp | 220 to 250 | °C | |
| Mold Temperature | 50.0 to 70.0 | °C | |
| Injection Rate | Moderate | | |
| NOTE | | | |
| 1. | 1.0 mm/min | | |
| 2. | US-FMVSS 302 | | |

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