

GAPEX® APP30GP10HB

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX® APP30GP10HB is a polypropylene homopolymer (PP Homopoly) material, which contains 28% glass \minerals. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. GAPEX®The main characteristics of the APP30GP10HB are: homopolymer.

| General Information | | | |
|---|--------------------------------------|----------|-------------|
| Filler / Reinforcement | Glass \mineral, 28% filler by weight | | |
| Features | Homopolymer | | |
| Appearance | Grey | | |
| Forms | Particle | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.10 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 16 | g/10 min | ASTM D1238 |
| Molding Shrinkage | | | ASTM D955 |
| Flow | 0.70 | % | ASTM D955 |
| Transverse flow | 1.0 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 23°C) | 44.1 | MPa | ASTM D638 |
| Tensile Elongation (Break, 23°C) | 5.0 | % | ASTM D638 |
| Flexural Modulus | | | ASTM D790 |
| 1% secant: 23°C | 2880 | MPa | ASTM D790 |
| Tangent: 23°C | 3030 | MPa | ASTM D790 |
| Flexural Strength (Yield, 23°C) | 63.4 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 43 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C) | 370 | J/m | ASTM D256 |
| Dart Drop Impact | 2.03 | J | ASTM D5420 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, not annealed | 154 | °C | ASTM D648 |
| 1.8 MPa, not annealed | 132 | °C | ASTM D648 |
| Additional Information | | | |

Filler Content, ASTM D2584: 28%

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