

GAPEX® APP40GR54HB BLUE

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX® APP40GR54HB BLUE is a polypropylene homopolymer (PP Homopoly) material, which contains 41% 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 APP40GR54HB BLUE are: chemical coupling.

| General Information | | | |
|---|--------------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass \mineral, 41% filler by weight | | |
| Features | Chemical coupling | | |
| Appearance | Blue | | |
| Forms | Particle | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.24 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage | | | ASTM D955 |
| Flow | 0.50 | % | ASTM D955 |
| Transverse flow | 0.90 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (23°C) | 44.1 | MPa | ASTM D638 |
| Tensile Elongation (Break, 23°C) | 4.0 | % | ASTM D638 |
| Flexural Modulus | | | ASTM D790 |
| 1% secant: 23°C | 4150 | MPa | ASTM D790 |
| Tangent: 23°C | 4290 | MPa | ASTM D790 |
| Flexural Strength (23°C) | 76.5 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 69 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C) | 320 | J/m | ASTM D4812 |
| Dart Drop Impact (23°C) | 0.565 | J | ASTM D5420 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, not annealed | 157 | °C | ASTM D648 |
| 1.8 MPa, not annealed | 137 | °C | ASTM D648 |
| Additional Information | | | |

Testing and measurements were performed at 73 +/-3°F and 50 +/-5% relative humidity unless otherwise noted.

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

