

# FERREX® GPP20CK16HB-BK

Polypropylene  
Ferro Corporation

Message:

FERREX® GPP20CK16HB-BK is a Polypropylene material filled with 20% calcium carbonate. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.  
Important attributes of FERREX® GPP20CK16HB-BK are:  
High Gloss  
Impact Modified

| General Information                       |                                        |          |             |
|-------------------------------------------|----------------------------------------|----------|-------------|
| Filler / Reinforcement                    | Calcium Carbonate,20% Filler by Weight |          |             |
| Additive                                  | Impact Modifier                        |          |             |
| Features                                  | High Gloss                             |          |             |
|                                           | Impact Modified                        |          |             |
| Appearance                                | Black                                  |          |             |
| Forms                                     | Pellets                                |          |             |
| Physical                                  | Nominal Value                          | Unit     | Test Method |
| Specific Gravity                          | 1.06                                   | g/cm³    | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 9.5                                    | g/10 min | ASTM D1238  |
| Molding Shrinkage                         |                                        |          | ASTM D955   |
| Flow                                      | 1.6                                    | %        |             |
| Across Flow                               | 1.8                                    | %        |             |
| Mechanical                                | Nominal Value                          | Unit     | Test Method |
| Tensile Strength (23°C)                   | 25.5                                   | MPa      | ASTM D638   |
| Tensile Elongation (Break, 23°C)          | 50                                     | %        | ASTM D638   |
| Flexural Modulus                          |                                        |          | ASTM D790   |
| 1% Secant : 23°C                          | 1680                                   | MPa      |             |
| Tangent : 23°C                            | 1790                                   | MPa      |             |
| Flexural Strength (23°C)                  | 40.0                                   | MPa      | ASTM D790   |
| Impact                                    | Nominal Value                          | Unit     | Test Method |
| Notched Izod Impact (23°C)                | 75                                     | J/m      | ASTM D256   |
| Unnotched Izod Impact (23°C)              | 1200                                   | J/m      | ASTM D4812  |
| Gardner Impact (23°C)                     | 24.3                                   | J        | ASTM D5420  |
| Thermal                                   | Nominal Value                          | Unit     | Test Method |
| Deflection Temperature Under Load         |                                        |          | ASTM D648   |
| 0.45 MPa, Unannealed                      | 96.1                                   | °C       |             |
| 1.8 MPa, Unannealed                       | 54.4                                   | °C       |             |

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#### Recommended distributors for this material

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