

# Ferro PP CPP40GH38BK

Polypropylene Copolymer

Ferro Corporation

Message:

Ferro PP CPP40GH38BK is a Polypropylene Copolymer (PP Copolymer) material filled with 40% mineral. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary attribute of Ferro PP CPP40GH38BK: Copolymer.

| General Information                       |                              |          |             |
|-------------------------------------------|------------------------------|----------|-------------|
| Filler / Reinforcement                    | Mineral,40% Filler by Weight |          |             |
| Features                                  | Copolymer                    |          |             |
| Appearance                                | Black                        |          |             |
| Forms                                     | Pellets                      |          |             |
| Physical                                  | Nominal Value                | Unit     | Test Method |
| Specific Gravity                          | 1.23                         | g/cm³    | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 7.0                          | g/10 min | ASTM D1238  |
| Molding Shrinkage                         |                              |          | ASTM D955   |
| Flow                                      | 0.90                         | %        |             |
| Across Flow                               | 1.2                          | %        |             |
| Mechanical                                | Nominal Value                | Unit     | Test Method |
| Tensile Strength (23°C)                   | 20.0                         | MPa      | ASTM D638   |
| Tensile Elongation (Break, 23°C)          | 15                           | %        | ASTM D638   |
| Flexural Modulus                          |                              |          | ASTM D790   |
| 1% Secant : 23°C                          | 1940                         | MPa      |             |
| Tangent : 23°C                            | 2640                         | MPa      |             |
| Flexural Strength (23°C)                  | 33.1                         | MPa      | ASTM D790   |
| Impact                                    | Nominal Value                | Unit     | Test Method |
| Notched Izod Impact (23°C)                | 64                           | J/m      | ASTM D256   |
| Unnotched Izod Impact (23°C)              | 830                          | J/m      | ASTM D4812  |
| Gardner Impact (23°C)                     | 9.04                         | J        | ASTM D5420  |
| Thermal                                   | Nominal Value                | Unit     | Test Method |
| Deflection Temperature Under Load         |                              |          | ASTM D648   |
| 0.45 MPa, Unannealed                      | 116                          | °C       |             |
| 1.8 MPa, Unannealed                       | 62.8                         | °C       |             |

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