

# FERREX® GPP30CC74WH

Polypropylene Homopolymer

Ferro Corporation

Message:

FERREX® GPP30CC74WH is a Polypropylene Homopolymer (PP Homopolymer) material filled with 31% calcium carbonate. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of FERREX® GPP30CC74WH are:

High Gloss

Homopolymer

| General Information                       |                                        |          |             |
|-------------------------------------------|----------------------------------------|----------|-------------|
| Filler / Reinforcement                    | Calcium Carbonate,31% Filler by Weight |          |             |
| Features                                  | High Gloss                             |          |             |
|                                           | Homopolymer                            |          |             |
| Forms                                     | Pellets                                |          |             |
| Processing Method                         | Injection Molding                      |          |             |
| Physical                                  | Nominal Value                          | Unit     | Test Method |
| Specific Gravity                          | 1.16                                   | g/cm³    | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 12                                     | g/10 min | ASTM D1238  |
| Molding Shrinkage                         |                                        |          | ASTM D955   |
| Flow                                      | 1.4                                    | %        |             |
| Across Flow                               | 1.6                                    | %        |             |
| Mechanical                                | Nominal Value                          | Unit     | Test Method |
| Tensile Strength (23°C)                   | 26.9                                   | MPa      | ASTM D638   |
| Tensile Elongation (Break, 23°C)          | 35                                     | %        | ASTM D638   |
| Flexural Modulus                          |                                        |          | ASTM D790   |
| 1% Secant : 23°C                          | 2060                                   | MPa      |             |
| Tangent : 23°C                            | 2280                                   | MPa      |             |
| Flexural Strength (23°C)                  | 44.8                                   | MPa      | ASTM D790   |
| Impact                                    | Nominal Value                          | Unit     | Test Method |
| Notched Izod Impact (23°C)                | 53                                     | J/m      | ASTM D256   |
| Unnotched Izod Impact (23°C)              | 1300                                   | J/m      | ASTM D4812  |
| Gardner Impact (23°C)                     | 10.4                                   | J        | ASTM D5420  |
| Thermal                                   | Nominal Value                          | Unit     | Test Method |
| Deflection Temperature Under Load         |                                        |          | ASTM D648   |
| 0.45 MPa, Unannealed                      | 113                                    | °C       |             |
| 1.8 MPa, Unannealed                       | 65.6                                   | °C       |             |

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