

# Ferro PP TPP25AF30WH

Polypropylene Homopolymer

Ferro Corporation

## Message:

Ferro PP TPP25AF30WH is a Polypropylene Homopolymer (PP Homopolymer) material filled with 26% talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Ferro PP TPP25AF30WH: Homopolymer.

| General Information                       |                           |          |             |
|-------------------------------------------|---------------------------|----------|-------------|
| Filler / Reinforcement                    | Talc,26% Filler by Weight |          |             |
| Features                                  | Homopolymer               |          |             |
| Forms                                     | Pellets                   |          |             |
| Processing Method                         | Injection Molding         |          |             |
| Physical                                  | Nominal Value             | Unit     | Test Method |
| Specific Gravity                          | 1.11                      | g/cm³    | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 5.7                       | g/10 min | ASTM D1238  |
| Molding Shrinkage                         |                           |          | ASTM D955   |
| Flow                                      | 1.4                       | %        |             |
| Across Flow                               | 1.7                       | %        |             |
| Mechanical                                | Nominal Value             | Unit     | Test Method |
| Tensile Strength (23°C)                   | 34.5                      | MPa      | ASTM D638   |
| Tensile Elongation (Break, 23°C)          | 10                        | %        | ASTM D638   |
| Flexural Modulus                          |                           |          | ASTM D790   |
| 1% Secant : 23°C                          | 2380                      | MPa      |             |
| Tangent : 23°C                            | 3080                      | MPa      |             |
| Flexural Strength (23°C)                  | 52.4                      | MPa      | ASTM D790   |
| Impact                                    | Nominal Value             | Unit     | Test Method |
| Notched Izod Impact (23°C)                | 27                        | J/m      | ASTM D256   |
| Unnotched Izod Impact (23°C)              | 590                       | J/m      | ASTM D4812  |
| Gardner Impact (23°C)                     | 0.678                     | J        | ASTM D5420  |
| Thermal                                   | Nominal Value             | Unit     | Test Method |
| Deflection Temperature Under Load         |                           |          | ASTM D648   |
| 0.45 MPa, Unannealed                      | 129                       | °C       |             |
| 1.8 MPa, Unannealed                       | 76.7                      | °C       |             |

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