

# Ferro PP NPP99GB09BK

Polypropylene Copolymer

Ferro Corporation

## Message:

Ferro PP NPP99GB09BK is a Polypropylene Copolymer (PP Copolymer) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary attribute of Ferro PP NPP99GB09BK: Copolymer.

| General Information                       |               |                   |             |
|-------------------------------------------|---------------|-------------------|-------------|
| Features                                  | Copolymer     |                   |             |
| Forms                                     | Pellets       |                   |             |
| Physical                                  | Nominal Value | Unit              | Test Method |
| Specific Gravity                          | 0.908         | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 14            | g/10 min          | ASTM D1238  |
| Molding Shrinkage                         |               |                   | ASTM D955   |
| Flow                                      | 1.6           | %                 |             |
| Across Flow                               | 1.8           | %                 |             |
| Mechanical                                | Nominal Value | Unit              | Test Method |
| Tensile Strength (Yield, 23°C)            | 22.1          | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)          | 300           | %                 | ASTM D638   |
| Flexural Modulus                          |               |                   | ASTM D790   |
| 1% Secant : 23°C                          | 889           | MPa               |             |
| Tangent : 23°C                            | 931           | MPa               |             |
| Flexural Strength (Yield, 23°C)           | 26.9          | MPa               | ASTM D790   |
| Impact                                    | Nominal Value | Unit              | Test Method |
| Notched Izod Impact (23°C)                | 130           | J/m               | ASTM D256   |
| Unnotched Izod Impact (23°C)              | No Break      |                   | ASTM D256   |
| Gardner Impact                            | 28.2          | J                 | ASTM D5420  |
| Thermal                                   | Nominal Value | Unit              | Test Method |
| Deflection Temperature Under Load         |               |                   | ASTM D648   |
| 0.45 MPa, Unannealed                      | 81.1          | °C                |             |
| 1.8 MPa, Unannealed                       | 46.1          | °C                |             |

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