

# Ferro PP NPP00GB07K

Polypropylene

Ferro Corporation

## Message:

Ferro PP NPP00GB07K is a polypropylene material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics of Ferro PP NPP00GB07K are: environmental protection/green.

| General Information                                                                                                                                                        |               |                   |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|-------------|
| Recycled Content                                                                                                                                                           | Yes, 25%      |                   |             |
| Forms                                                                                                                                                                      | Particle      |                   |             |
| Physical                                                                                                                                                                   | Nominal Value | Unit              | Test Method |
| Density                                                                                                                                                                    | 0.910         | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                                                                                                                                  | 11            | g/10 min          | ISO 1133    |
| Hardness                                                                                                                                                                   | Nominal Value | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                                                                                                                                                | 80            |                   | ASTM D785   |
| Mechanical                                                                                                                                                                 | Nominal Value | Unit              | Test Method |
| Tensile Stress (Yield, 23°C)                                                                                                                                               | 20.5          | MPa               | ISO 527-2   |
| Tensile Strain (Break, 23°C)                                                                                                                                               | 300           | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                                                                                                                                                    | 860           | MPa               | ISO 178     |
| Flexural Stress (23°C)                                                                                                                                                     | 24.3          | MPa               | ISO 178     |
| Impact                                                                                                                                                                     | Nominal Value | Unit              | Test Method |
| Notched Izod Impact                                                                                                                                                        |               |                   | ISO 180/1A  |
| -40°C                                                                                                                                                                      | 2.7           | kJ/m <sup>2</sup> | ISO 180/1A  |
| 23°C                                                                                                                                                                       | 10            | kJ/m <sup>2</sup> | ISO 180/1A  |
| Thermal                                                                                                                                                                    | Nominal Value | Unit              | Test Method |
| Heat Deflection Temperature                                                                                                                                                |               |                   |             |
| 0.45 MPa, not annealed                                                                                                                                                     | 79.0          | °C                | ISO 75-2/B  |
| 1.8 MPa, not annealed                                                                                                                                                      | 49.0          | °C                | ISO 75-2/A  |
| Additional Information                                                                                                                                                     |               |                   |             |
| Filler Content, ISO 3451: 1.5%Flammability, ISO 3795: 15 mm/minMold Shrinkage, ISO 2557, Flow, 48 hrs, 23°C: 1.2%Mold Shrinkage, ISO 2557, Across Flow, 48 hrs, 23°C: 1.4% |               |                   |             |

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## Recommended distributors for this material

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