

Technical Data Sheet

## Ferro Pp NPP00GW13HB

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

| General                                   |                         |                         |             |
|-------------------------------------------|-------------------------|-------------------------|-------------|
| Additive                                  | • Impact Modifier       |                         |             |
| Features                                  | • Impact Modified       |                         |             |
| Forms                                     | • Pellets               |                         |             |
| Processing Method                         | • Injection Molding     |                         |             |
| Physical                                  | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Density / Specific Gravity                | 0.910                   | 0.908 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 14 g/10 min             | 14 g/10 min             | ASTM D1238  |
| Mechanical                                | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Tensile Strength (Yield, 73°F (23°C))     | 4400 psi                | 30.3 MPa                | ASTM D638   |
| Tensile Elongation (Break, 73°F (23°C))   | 65 %                    | 65 %                    | ASTM D638   |
| Flexural Modulus                          |                         |                         | ASTM D790   |
| 1% Secant : 73°F (23°C)                   | 171000 psi              | 1180 MPa                |             |
| Tangent : 73°F (23°C)                     | 176000 psi              | 1210 MPa                |             |
| Flexural Strength (Yield, 73°F (23°C))    | 5500 psi                | 37.9 MPa                | ASTM D790   |
| Impact                                    | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Notched Izod Impact (73°F (23°C))         | 2.4 ft·lb/in            | 130 J/m                 | ASTM D256   |
| Unnotched Izod Impact (73°F (23°C))       | No Break                | No Break                | ASTM D4812  |
| Gardner Impact                            | 100 in·lb               | 11.3 J                  | ASTM D5420  |
| Thermal                                   | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Deflection Temperature Under Load         |                         |                         | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed             | 203 °F                  | 95.0 °C                 |             |
| 264 Psi (1.8 Mpa), Unannealed             | 116 °F                  | 46.7 °C                 |             |

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| Injection              | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature     | 176 °F                  | 80 °C              |
| Drying Time            | 2.0 to 3.0 hr           | 2.0 to 3.0 hr      |
| Processing (Melt) Temp | 428 to 500 °F           | 220 to 260 °C      |
| Mold Temperature       | 86 to 140 °F            | 30 to 60 °C        |

### Notes

These are typical property values not to be construed as specification limits.