

Technical Data Sheet

# Ferro Pp LPP30BV02NA

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

| General                |   |
|------------------------|---|
| Filler / Reinforcement | • Calcium Carbonate, 30% Filler by Weight |
| Additive               | • Impact Modifier                         |
| Features               | • Impact Modified                         |
| Forms                  | • Pellets                                 |
| Processing Method      | • Injection Molding                       |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.13                    | 1.13 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 19 g/10 min             | 19 g/10 min            | ASTM D1238  |

| Mechanical                              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|--------------------|-------------|
| Tensile Strength (Yield, 73°F (23°C))   | 3800 psi                | 26.2 MPa           | ASTM D638   |
| Tensile Elongation (Break, 73°F (23°C)) | 30 %                    | 30 %               | ASTM D638   |
| Flexural Modulus                        |                         |                    | ASTM D790   |
| 1% Secant : 73°F (23°C)                 | 304000 psi              | 2100 MPa           |             |
| Tangent : 73°F (23°C)                   | 322000 psi              | 2220 MPa           |             |
| Flexural Strength (Yield, 73°F (23°C))  | 6500 psi                | 44.8 MPa           | ASTM D790   |

| Impact                              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-------------------------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact (73°F (23°C))   | 1.0 ft·lb/in            | 53 J/m             | ASTM D256   |
| Unnotched Izod Impact (73°F (23°C)) | 15 ft·lb/in             | 770 J/m            | ASTM D4812  |
| Gardner Impact                      | 90.0 in·lb              | 10.2 J             | ASTM D5420  |

| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed     | 225 °F                  | 107 °C             |             |
| 264 Psi (1.8 Mpa), Unannealed     | 140 °F                  | 60.0 °C            |             |

| Additional Information      |     |
|-----------------------------|-----|
| Filler Content, ASTM D2584: | 30% |

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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.