

Technical Data Sheet

Ferro Pp NPP00NP02NA

Polypropylene
LyondellBasell Industries
Engineering Plastics

General

| | |
|-------------------|---------------------|
| Appearance | • Natural Color |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Physical

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|-------------------------|-------------|
| Density / Specific Gravity | 0.910 | 0.908 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 3.0 g/10 min | 3.0 g/10 min | ASTM D1238 |

Mechanical

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------------|-------------------------|--------------------|-------------|
| Tensile Strength (Yield) | 1700 psi | 11.7 MPa | ASTM D638 |
| Tensile Elongation | | | ASTM D638 |
| Yield | 9.0 % | 9.0 % | |
| Break | 450 % | 450 % | |
| Flexural Modulus | 25000 psi | 172 MPa | ASTM D790 |
| Flexural Strength (Yield) | 800 psi | 5.52 MPa | ASTM D790 |

Hardness

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------------------|-------------------------|--------------------|-------------|
| Durometer Hardness (Shore D) | 27 | 27 | ASTM D2240 |

Thermal

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------|-------------------------|--------------------|-------------|
| Vicat Softening Temperature | 135 °F | 57.2 °C | ASTM D1525 |

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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.