

Technical Data Sheet

**Ferro Pp NPP00GB07K**

Polypropylene
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• Latin America	• North America	
Recycled Content	• Yes, 25%		
Forms	• Pellets		
Processing Method	• Injection Molding		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.910 g/cm³	0.910 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11 g/10 min	11 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	2970 psi	20.5 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	300 %	300 %	ISO 527-2
Flexural Modulus (73°F (23°C))	125000 psi	860 MPa	ISO 178
Flexural Stress (73°F (23°C))	3520 psi	24.3 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°F (-40°C)	1.3 ft·lb/in²	2.7 kJ/m²	
73°F (23°C)	4.9 ft·lb/in²	10 kJ/m²	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	80	80	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	174 °F	79.0 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	120 °F	49.0 °C	ISO 75-2/A
Additional Information			
Filler Content, ISO 3451: 1.5%			
Flammability, ISO 3795: 15 mm/min			
Mold 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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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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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