

Technical Data Sheet

**Polyflam Ferro PP NPP00GT23NA**

Polypropylene
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active	
Availability	• Latin America	• North America
Additive	• Flame Retardant	
Features	• Flame Retardant	• Medium Impact Resistance
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.990	0.988 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	2900 psi	20.0 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	60 %	60 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	120000 psi	827 MPa	
Tangent : 73°F (23°C)	135000 psi	931 MPa	
Flexural Strength (Yield, 73°F (23°C))	3600 psi	24.8 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.1 ft·lb/in	110 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact	245 in·lb	27.7 J	ASTM D5420
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	190 °F	87.8 °C	
264 psi (1.8 MPa), Unannealed	120 °F	48.9 °C	
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.0025 in (0.063 mm))	V-0	V-0	UL 94

Additional Information

Melt Flow Rate, ASTM D1238, 230°C/2.16 kg: 18 to 22 g/10 min

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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	350 to 440 °F	177 to 227 °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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