

Technical Data Sheet

**Polyflam Ferro PP NPP00GT19NA**

Polypropylene
LyondellBasell Industries
Engineering Plastics

General

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.960	0.958 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15 g/10 min	15 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	5000 psi	34.5 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	60 %	60 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	238000 psi	1640 MPa	
Tangent : 73°F (23°C)	255000 psi	1760 MPa	
Flexural Strength (73°F (23°C))	6800 psi	46.9 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.80 ft·lb/in	43 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	14 ft·lb/in	750 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	12.0 in·lb	1.36 J	ASTM D5420
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	220 °F	104 °C	
264 psi (1.8 MPa), Unannealed	138 °F	58.9 °C	
RTI Elec (0.031 in (0.79 mm))	149 °F	65.0 °C	UL 746B
RTI Imp (0.031 in (0.79 mm))	149 °F	65.0 °C	UL 746B
RTI Str (0.031 in (0.79 mm))	149 °F	65.0 °C	UL 746B
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.031 in (0.79 mm))	V-2	V-2	UL 94

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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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