

Technical Data Sheet

**Polyflam Ferro PP NPP00GT24UL**

Polypropylene
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active	
Availability	• Latin America	• North America
Additive	• Flame Retardant	
Features	• Flame Retardant	
Appearance	• Natural Color	
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 (Yield, 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 (Yield, 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	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			UL 746B
0.06 in (1.6 mm)	230 °F	110 °C	
0.13 in (3.2 mm)	230 °F	110 °C	
RTI Imp			UL 746B
0.06 in (1.6 mm)	230 °F	110 °C	
0.13 in (3.2 mm)	230 °F	110 °C	
RTI Str			UL 746B
0.06 in (1.6 mm)	230 °F	110 °C	
0.13 in (3.2 mm)	230 °F	110 °C	
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.0025 in (0.063 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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