

Technical Data Sheet

# Ferro Pp NPP00GT01NA

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

General			
Additive	• Flame Retardant		
Features	• Flame Retardant	• Ignition Resistant	
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.950	0.948 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	4400 psi	30.3 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	35 %	35 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	172000 psi	1190 MPa	
Tangent : 73°F (23°C)	187000 psi	1290 MPa	
Flexural Strength (73°F (23°C))	5500 psi	37.9 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.0 ft·lb/in	53 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	15 ft·lb/in	800 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	175 in·lb	19.8 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	200 °F	93.3 °C	
264 Psi (1.8 Mpa), Unannealed	125 °F	51.7 °C	
RTI Elec (0.13 In (3.2 Mm))	149 °F	65.0 °C	UL 746B
RTI Imp (0.13 In (3.2 Mm))	149 °F	65.0 °C	UL 746B
RTI Str (0.13 In (3.2 Mm))	149 °F	65.0 °C	UL 746B

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Arc Resistance	124 sec	124 sec	ASTM D495
Comparative Tracking Index (CTI)	600 V	600 V	UL 746A
High Voltage Arc Tracking Rate (HVTR)	0.00 in/min	0.00 mm/min	UL 746A
Hot-wire Ignition (HWI)	50 sec	50 sec	UL 746A

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.13 In (3.2 Mm), Na)	V-2	V-2	UL 94

**Additional Information**  
 The value listed as Comparative Track Index, UL 746, was tested in accordance with ASTM D3638.  
 The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.

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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.