

Technical Data Sheet

Ferro Pp NPP00GT16UL NATURAL

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Features	<ul style="list-style-type: none"> Flame Retardant
Appearance	<ul style="list-style-type: none"> Natural Color
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.03	1.03 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))	4000 psi	27.6 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	65 %	65 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	161000 psi	1110 MPa	
Tangent : 73°F (23°C)	168000 psi	1160 MPa	
Flexural Strength (73°F (23°C))	5200 psi	35.9 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))	115 in·lb	13.0 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	180 °F	82.2 °C	
264 Psi (1.8 Mpa), Unannealed	122 °F	50.0 °C	
RTI Elec (0.06 In (1.6 Mm))	230 °F	110 °C	UL 746B
RTI Imp (0.06 In (1.6 Mm))	230 °F	110 °C	UL 746B
RTI Str (0.06 In (1.6 Mm))	230 °F	110 °C	UL 746B

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Arc Resistance	131 sec	131 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)	54 sec	54 sec	UL 746A

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.6 Mm))	V-0	V-0	UL 94

Additional Information

The value listed as Comparative Tracking Index was tested in accordance with ASTM D3638.

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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.