

Technical Data Sheet

Ferro Pp NPP00GT23NA

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
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	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.