

Technical Data Sheet

Ferro Pp NPP00GT20NA

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Features	• Flame Retardant
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 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))	40 %	40 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	231000 psi	1590 MPa	
Tangent : 73°F (23°C)	252000 psi	1740 MPa	
Flexural Strength (73°F (23°C))	6500 psi	44.8 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.60 ft·lb/in	32 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	11 ft·lb/in	590 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	10.0 in·lb	1.13 J	ASTM D5420

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	72	72	ASTM D2240

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	225 °F	107 °C	
264 Psi (1.8 Mpa), Unannealed	135 °F	57.2 °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-0	V-0	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	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.