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/cm³	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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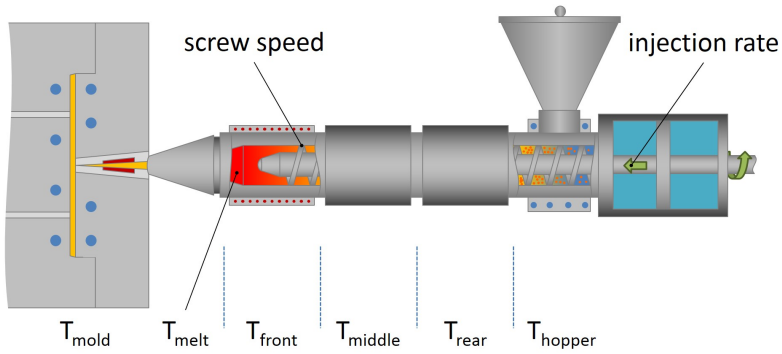

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

These are typical property values not to be construed as specification limits.