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/cm³	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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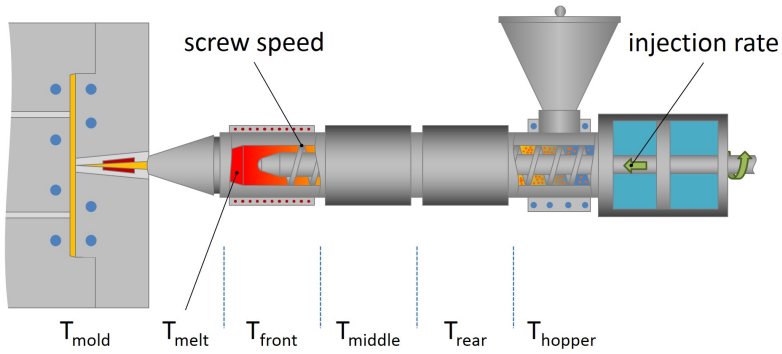

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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