Technical Data Sheet

Ferro Pp NPP00GC19NA

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General	
Features	• Homopolymer
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.910	0.908 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	30 g/10 min	30 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	215000 psi	1480 MPa	ASTM D638
Tensile Strength (Yield, 73°f (23°c))	4750 psi	32.8 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	55 %	55 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	171000 psi	1180 MPa	
Tangent : 73°f (23°c)	183000 psi	1260 MPa	
Flexural Strength (Yield, 73°f (23°c))	5750 psi	39.6 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	0.40 ft·lb/in	21 J/m	ASTM D256
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	160 °F	71.1 °C	

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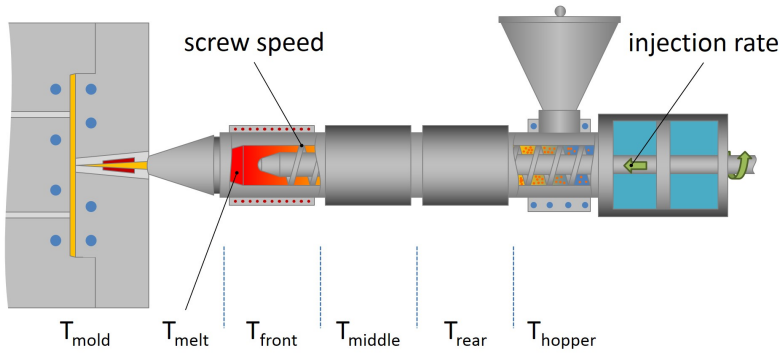

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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