Technical Data Sheet

Ferro Pp CPP30GF15NA

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Mineral, 32% Filler by Weight
Features	• Homopolymer
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.16	1.16 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	22 g/10 min	22 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (73°f (23°c))	4100 psi	28.3 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	15 %	15 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	341000 psi	2350 MPa	
Tangent : 73°f (23°c)	426000 psi	2940 MPa	
Flexural Strength (73°f (23°c))	6900 psi	47.6 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	0.50 ft·lb/in	27 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	7.6 ft·lb/in	410 J/m	ASTM D4812
Gardner Impact	15.0 in·lb	1.69 J	ASTM D5420
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Durometer Hardness (Shore D)	74	74	ASTM D2240
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	245 °F	118 °C	
264 Psi (1.8 Mpa), Unannealed	150 °F	65.6 °C	

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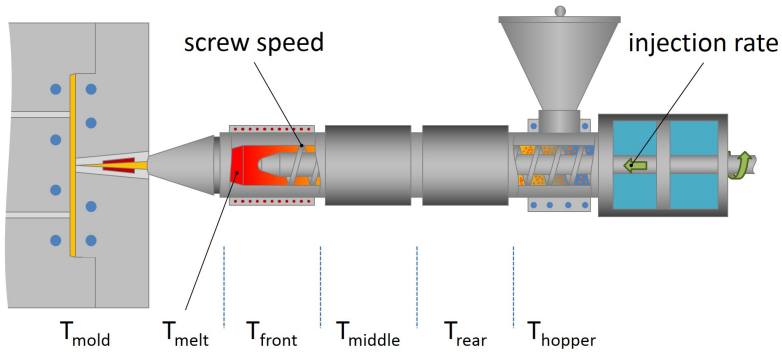

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	395 to 400 °F	202 to 204 °C
Middle Temperature	400 to 410 °F	204 to 210 °C
Front Temperature	410 to 415 °F	210 to 213 °C
Nozzle Temperature	415 to 425 °F	213 to 218 °C
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Back Pressure	50.0 to 100 psi	0.345 to 0.689 MPa

Notes

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