Technical Data Sheet

Ferro Pp NPP00GT03BK

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	0.960	0.958 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	10 g/10 min	10 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))	50 %	50 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	168000 psi	1160 MPa	
Tangent : 73°f (23°c)	180000 psi	1240 MPa	
Flexural Strength (73°f (23°c))	5400 psi	37.2 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	1.2 ft·lb/in	64 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	18 ft·lb/in	960 J/m	ASTM D4812
Gardner Impact (73°f (23°c))	150 in·lb	16.9 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	125 °F	51.7 °C	
RTI Elec (0.13 In (3.2 Mm))	149 °F	65.0 °C	UL 746B
RTI Imp (0.13 In (3.2 Mm))	149 °F	65.0 °C	UL 746B
RTI Str (0.13 In (3.2 Mm))	149 °F	65.0 °C	UL 746B
Electrical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Arc Resistance	136 sec	136 sec	ASTM D495
Comparative Tracking Index (CTI)	600 V	600 V	UL 746A
High Voltage Arc Tracking Rate (HVTR)	0.510 in/min	13.0 mm/min	UL 746A
Hot-wire Ignition (HWI)	53 sec	53 sec	UL 746A
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating (0.25 In (6.4 Mm))	V-2	V-2	UL 94

Additional Information

The value listed as Comparative Tracking Index was tested in accordance with ASTM D3638.
California Furniture Testing, TB 133: Passed

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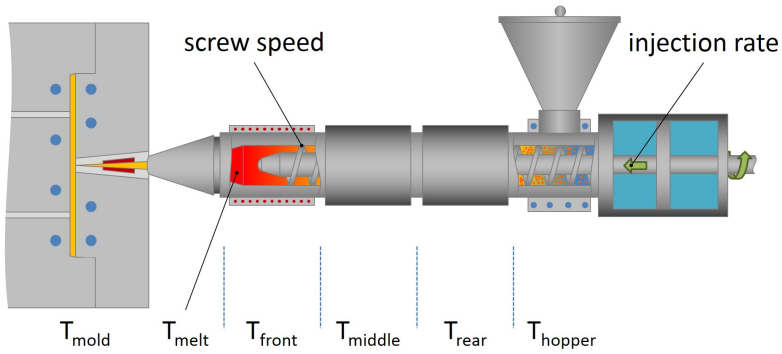

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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