Technical Data Sheet

Ferro Pp NPP00GT02WH

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	0.980	0.978 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	11 g/10 min	11 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (73°f (23°c))	4200 psi	29.0 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	50 %	50 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	173000 psi	1190 MPa	
Tangent : 73°f (23°c)	183000 psi	1260 MPa	
Flexural Strength (73°f (23°c))	5300 psi	36.5 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	1.3 ft·lb/in	69 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	25 ft·lb/in	1300 J/m	ASTM D4812
Gardner Impact (73°f (23°c))	240 in·lb	27.1 J	ASTM D5420
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	210 °F	98.9 °C	
264 Psi (1.8 Mpa), Unannealed	135 °F	57.2 °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	127 sec	127 sec	ASTM D495
Comparative Tracking Index (CTI)	580 V	580 V	UL 746A
High Voltage Arc Tracking Rate (HVTR)	0.00 in/min	0.00 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			UL 94
0.13 In (3.2 Mm)	V-2	V-2	
0.25 In (6.4 Mm)	V-0	V-0	

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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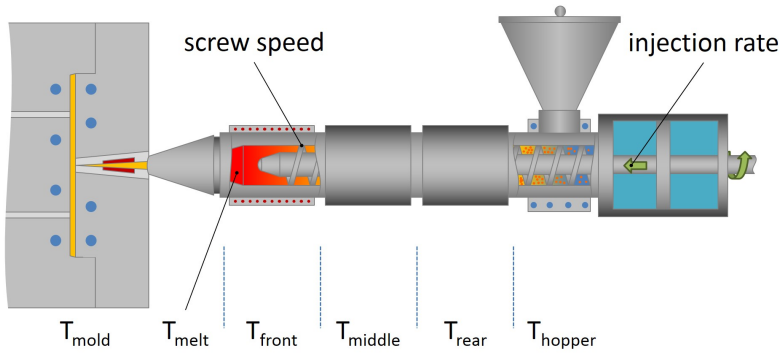

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	350 to 400 °F	177 to 204 °C
Middle Temperature	350 to 420 °F	177 to 216 °C
Front Temperature	350 to 420 °F	177 to 216 °C
Nozzle Temperature	350 to 440 °F	177 to 227 °C
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Injection Rate	Slow-Moderate	Slow-Moderate
Back Pressure	< 100 psi	< 0.689 MPa
Screw Speed	20 to 60 rpm	20 to 60 rpm

Notes

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