Technical Data Sheet

Ferro Pp RPP30GT13UL NATURAL

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Features	• Flame Retardant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.45	1.45 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	8.5 g/10 min	8.5 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (73°f (23°c))	6500 psi	44.8 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	4.0 %	4.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	751000 psi	5180 MPa	
Tangent : 73°f (23°c)	760000 psi	5240 MPa	
Flexural Strength (73°f (23°c))	10000 psi	68.9 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	2.5 ft·lb/in	130 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	8.0 ft·lb/in	430 J/m	ASTM D4812
Gardner Impact (73°f (23°c))	7.00 in·lb	0.791 J	ASTM D5420
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	300 °F	149 °C	
264 Psi (1.8 Mpa), Unannealed	270 °F	132 °C	
RTI Elec (0.06 In (1.6 Mm))	230 °F	110 °C	UL 746B
RTI Imp (0.06 In (1.6 Mm))	230 °F	110 °C	UL 746B
RTI Str (0.06 In (1.6 Mm))	230 °F	110 °C	UL 746B
Electrical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Arc Resistance	137 sec	137 sec	ASTM D495
Comparative Tracking Index (CTI)	600 V	600 V	UL 746A
High Voltage Arc Tracking Rate (HVTR)	0.00 in/min	0.00 mm/min	UL 746A
Hot-wire Ignition (HWI)	100 sec	100 sec	UL 746A
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating (0.06 In (1.6 Mm))	V-0	V-0	UL 94

Additional Information

The value listed as Comparative Tracking Index was tested in accordance with ASTM D3638.

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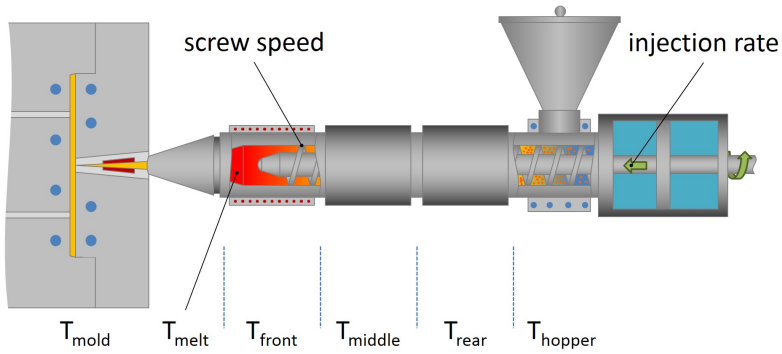

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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