

Technical Data Sheet

Ferro Pp RPP10GT25UL

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass Bead, 10% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.02	1.02 g/cm ³	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 (Yield, 73°F (23°C))	4500 psi	31.0 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	10 %	10 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	220000 psi	1520 MPa	
Tangent : 73°F (23°C)	250000 psi	1720 MPa	
Flexural Strength (Yield, 73°F (23°C))	6000 psi	41.4 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))	4.5 ft·lb/in	240 J/m	ASTM D4812
Gardner Impact	1.50 in·lb	0.169 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	145 °F	62.8 °C	ASTM D648
RTI Elec			UL 746B
0.06 In (1.6 Mm)	239 °F	115 °C	
0.13 In (3.2 Mm)	239 °F	115 °C	
RTI Imp			UL 746B
0.06 In (1.6 Mm)	239 °F	115 °C	
0.13 In (3.2 Mm)	239 °F	115 °C	
RTI Str			UL 746B
0.06 In (1.6 Mm)	239 °F	115 °C	
0.13 In (3.2 Mm)	239 °F	115 °C	

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.0025 In (0.063 Mm))	V-2	V-2	UL 94

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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.