

Technical Data Sheet

Ferro Pp LPP25BA13NA

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 25% Filler by Weight
Features	• Homopolymer
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.09	1.09 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	1.5 g/10 min	1.5 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	4400 psi	30.3 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	110 %	110 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	301000 psi	2080 MPa	
Tangent : 73°F (23°C)	322000 psi	2220 MPa	
Flexural Strength (Yield, 73°F (23°C))	7100 psi	49.0 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.90 ft·lb/in	48 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	25 ft·lb/in	1300 J/m	ASTM D4812
Gardner Impact			ASTM D5420
-40°F (-40°C)	11.0 in·lb	1.24 J	
73°F (23°C)	36.0 in·lb	4.07 J	

Additional Information	
Filler Content, ASTM D2584:	25%

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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.