

Technical Data Sheet

Ferro Pp LPP20BN57HB

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Additive	• Impact Modifier
Features	• Impact Modified
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	17 g/10 min	17 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	3500 psi	24.1 MPa	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	230000 psi	1590 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.4 ft·lb/in	75 J/m	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	220 °F	104 °C	ASTM D648

Additional Information
Filler Content, ASTM D2584: 22%

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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	340 to 410 °F	171 to 210 °C
Middle Temperature	340 to 410 °F	171 to 210 °C
Front Temperature	340 to 420 °F	171 to 216 °C
Nozzle Temperature	340 to 420 °F	171 to 216 °C
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Injection Rate	Moderate-Fast	Moderate-Fast

Notes

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