

Technical Data Sheet  
**Ferro PP LPP20BN46HB**  
**ALMOND**



Polypropylene Copolymer  
 Engineering Plastics

**General**

Filler / Reinforcement	• Calcium Carbonate, 22% Filler by Weight
Features	• Copolymer
Appearance	• Almond
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.06	1.06 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16 g/10 min	16 g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.015 in/in	1.5 %	
Across Flow	0.017 in/in	1.7 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	3400 psi	23.4 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	80 %	80 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	194000 psi	1340 MPa	
Tangent : 73°F (23°C)	229000 psi	1580 MPa	
Flexural Strength (73°F (23°C))	5200 psi	35.9 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.2 ft·lb/in	64 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	24 ft·lb/in	1300 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	225 in·lb	25.4 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	208 °F	97.8 °C	
264 psi (1.8 MPa), Unannealed	135 °F	57.2 °C	

**Notes**

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