

Ferro PP LPP20BN19HB-AL

Polypropylene
Ferro Corporation

Message:

Ferro PP LPP20BN19HB-AL is a Polypropylene material filled with 20% calcium carbonate. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Ferro PP LPP20BN19HB-AL are:

- Good Processability
- Good UV Resistance
- Impact Resistant

Typical applications include:

- Coating Applications
- Handles
- Household Applications

General Information			
Filler / Reinforcement	Calcium Carbonate,20% Filler by Weight		
Features	Good Impact Resistance		
	Good Processability		
	Good UV Resistance		
	Medium Gloss		
Uses	Handles		
	Lawn and Garden Equipment		
	Protective Coverings		
Appearance	Aluminum		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	71		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.8	MPa	ASTM D638
Tensile Elongation (Break)	55	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Flexural Strength (Yield)	37.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256

Unnotched Izod Impact (23°C)	1100	J/m	ASTM D256
Gardner Impact	11.9	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	107	°C	
1.8 MPa, Unannealed	62.8	°C	
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	202 to 204	°C	
Middle Temperature	204 to 210	°C	
Front Temperature	210 to 213	°C	
Nozzle Temperature	213 to 218	°C	
Mold Temperature	43.3 to 51.7	°C	
Back Pressure	0.345 to 0.689	MPa	

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Recommended distributors for this material

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