

Ferro PP LPP20BC06WH

Polypropylene
Ferro Corporation

Message:

Ferro PP LPP20BC06WH 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.

Typical application of Ferro PP LPP20BC06WH: Sporting Goods

General Information			
Filler / Reinforcement	Calcium Carbonate,20% Filler by Weight		
Uses	Spas		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.4	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.3	MPa	ASTM D638
Tensile Elongation (Break)	32	%	ASTM D638
Flexural Modulus	1970	MPa	ASTM D790
Flexural Strength (Yield)	48.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Unnotched Izod Impact (23°C)	880	J/m	ASTM D256
Gardner Impact	2.60	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	116	°C	
1.8 MPa, Unannealed	63.3	°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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