

Ferro PP LPP20BC07HB-BK

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP LPP20BC07HB-BK is a Polypropylene Homopolymer (PP Homopolymer) material filled with 21% calcium carbonate. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Ferro PP LPP20BC07HB-BK: Homopolymer. Typical application of Ferro PP LPP20BC07HB-BK: Sporting Goods

General Information			
Filler / Reinforcement	Calcium Carbonate,21% Filler by Weight		
Features	Homopolymer		
Uses	Spas		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.7	%	
Across Flow	2.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	73		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	28.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	60	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	1830	MPa	
Tangent : 23°C	2030	MPa	
Flexural Strength (23°C)	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Unnotched Izod Impact (23°C)	690	J/m	ASTM D4812
Gardner Impact (23°C)	1.92	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	121	°C	
1.8 MPa, Unannealed	65.6	°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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