

Ferro PP LPP20BC77BK

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP LPP20BC77BK is a polypropylene homopolymer (PP Homopoly) material, which contains 20% calcium carbonate filler. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics of Ferro PP LPP20BC77BK are: homopolymer.

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Features	Homopolymer		
Forms	Particle		
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)	10	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.7	%	ASTM D955
Transverse flow	2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	28.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	60	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	1810	MPa	ASTM D790
Tangent: 23°C	2020	MPa	ASTM D790
Flexural Strength (Yield, 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)	670	J/m	ASTM D256
Dart Drop Impact	1.92	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	121	°C	ASTM D648
1.8 MPa, not annealed	65.6	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 21%

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