

Ferro PP LPP20BN34HB

Polypropylene
Ferro Corporation

Message:

Ferro PP LPP20BN34HB is a polypropylene 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 LPP20BN34HB are impact modification.

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
Appearance	White		
Forms	Particle		
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)	27	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.5	%	ASTM D955
Transverse flow	1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	22.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	80	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	1.37	MPa	ASTM D790
Tangent: 23°C	1520	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	35.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D256
Dart Drop Impact	15.8	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	98.9	°C	ASTM D648
1.8 MPa, not annealed	57.2	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 23%

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

