FERREX® GPP20CG42HB BLUE

Polypropylene Homopolymer

Ferro Corporation

Message:

FERREX® GPP20CG42HB BLUE is a Polypropylene Homopolymer (PP Homopolymer) material filled with 22% calcium carbonate. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.
Important attributes of FERREX® GPP20CG42HB BLUE are:
High Gloss
Homopolymer

General Information			
Filler / Reinforcement	Calcium Carbonate,22% Filler by Weight		
Features	High Gloss Homopolymer		
Appearance	Blue		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.07	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.6	%	
Across Flow	1.9	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	29.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	1970	MPa	
Tangent : 23°C	2140	MPa	
Flexural Strength (23°C)	49.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Unnotched Izod Impact (23°C)	640	J/m	ASTM D4812
Gardner Impact (23°C)	3.95	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	116	°C	
1.8 MPa, Unannealed	62.8	°C	

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Recommended distributors for this material

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

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