

FERREX® GPP20CS82HB GRAY

Polypropylene
Ferro Corporation

Message:

FERREX® GPP20CS82HB GRAY is a Polypropylene 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® GPP20CS82HB GRAY are:
High Gloss
Impact Modified

General Information			
Filler / Reinforcement	Calcium Carbonate,22% Filler by Weight		
Additive	Impact Modifier		
Features	High Gloss		
	Impact Modified		
Appearance	Grey		
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)	7.2	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.2	%	
Across Flow	1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	15.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	200	%	ASTM D638
Flexural Modulus - Tangent (23°C)	758	MPa	ASTM D790
Flexural Strength (23°C)	17.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Gardner Impact			ASTM D5420
-40°C	36.2	J	
23°C	30.5	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	94.4	°C	
1.8 MPa, Unannealed	51.1	°C	

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Recommended distributors for this material

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