

# FERREX® GPP20CS61HB NATURAL

Polypropylene

Ferro Corporation

## Message:

FERREX® GPP20CS61HB NATURAL is a Polypropylene material filled with 21% calcium carbonate. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of FERREX® GPP20CS61HB NATURAL are:

High Gloss

Impact Modified

General Information			
Filler / Reinforcement	Calcium Carbonate,21% Filler by Weight		
Additive	Impact Modifier		
Features	High Gloss		
	Impact Modified		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.6	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.5	%	
Across Flow	1.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	24.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	70	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	1520	MPa	
Tangent : 23°C	1720	MPa	
Flexural Strength (23°C)	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D4812
Gardner Impact (23°C)	29.4	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.3	°C	
1.8 MPa, Unannealed	54.4	°C	

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### Recommended distributors for this material

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