

# GAPEX® FPP20GQ12HB-BK

Polypropylene

Ferro Corporation

## Message:

GAPEX®FPP20GQ12HB-BK is a polypropylene material that contains 20% glass \minerals. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

GAPEX®The main features of the FPP20GQ12HB-BK are:

Impact modification

Chemical coupling

General Information			
Filler / Reinforcement	Glass \mineral, 20% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Chemical coupling		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.80	%	ASTM D955
Transverse flow	1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	31.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	1780	MPa	ASTM D790
Tangent: 23°C	1900	MPa	ASTM D790
Flexural Strength (23°C)	61.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Unnotched Izod Impact (23°C)	290	J/m	ASTM D256
Dart Drop Impact (23°C)	2.09	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	127	°C	ASTM D648
1.8 MPa, not annealed	96.1	°C	ASTM D648
Additional Information			

The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812. Filler Content, ASTM D2584: 19.5% Testing and measurements were performed at 73 +/-3°F and 50 +/-5% relative humidity unless otherwise noted.

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Recommended distributors for this material

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