

# GAPEX® FPP30GQ18HB TAN

Polypropylene

Ferro Corporation

## Message:

GAPEX®FPP30GQ18HB TAN is a polypropylene material that contains 30% 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 FPP30GQ18HB TAN are:

Impact modification

Chemical coupling

General Information			
Filler / Reinforcement	Glass \mineral, 30% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Chemical coupling		
Appearance	brownish yellow		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.90	%	ASTM D955
Transverse flow	1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	28.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2210	MPa	ASTM D790
Tangent: 23°C	2380	MPa	ASTM D790
Flexural Strength (23°C)	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	91	J/m	ASTM D256
Unnotched Izod Impact (23°C)	300	J/m	ASTM D4812
Instrumented Dart Impact (23°C)	11.1	J	ASTM D3763
Dart Drop Impact (23°C)	2.03	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	143	°C	ASTM D648
1.8 MPa, not annealed	85.0	°C	ASTM D648
Additional Information			

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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