

# GAPEX® FPP40GQ21WH

Polypropylene

Ferro Corporation

## Message:

GAPEX®FPP40GQ21WH is a polypropylene material that contains 42% 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 FPP40GQ21WH are:

Impact modification  
Chemical coupling  
heat stabilizer

General Information			
Filler / Reinforcement	Glass \mineral, 42% filler by weight		
Additive	Impact modifier heat stabilizer		
Features	Impact modification Chemical coupling Thermal Stability		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.30	%	ASTM D955
Transverse flow	1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	42.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	3150	MPa	ASTM D790
Tangent: 23°C	3410	MPa	ASTM D790
Flexural Strength (23°C)	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Unnotched Izod Impact (23°C)	380	J/m	ASTM D4812
Dart Drop Impact (23°C)	0.859	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	154	°C	ASTM D648

1.8 MPa, not annealed

131

°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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