

GAPEX® APP40GR61HB

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX® APP40GR61HB is a polypropylene homopolymer (PP Homopoly) material, which contains 40% 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 APP40GR61HB are:

Chemical coupling

Homopolymer

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Features	Chemical coupling		
	Homopolymer		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.50	%	ASTM D955
Transverse flow	0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	44.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	3960	MPa	ASTM D790
Tangent: 23°C	4070	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Unnotched Izod Impact (23°C)	310	J/m	ASTM D256
Dart Drop Impact	0.565	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	157	°C	ASTM D648
1.8 MPa, not annealed	138	°C	ASTM D648
Additional Information			
Filler Content, ASTM D2584: 40%			

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Recommended distributors for this material

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