

GAPEX® HPP30GR23BK

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX®HPP30GR23BK is a polypropylene homopolymer (PP Homopoly) material that contains 30% glass/mica. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

GAPEX®The main features of the HPP30GR23BK are:

Chemical coupling

Homopolymer

heat stabilizer

General Information			
Filler / Reinforcement	Glass/mica, 30% filler by weight		
Additive	heat stabilizer		
Features	Chemical coupling		
	Homopolymer		
	Thermal Stability		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	0.70	%	ISO 294-4
Flow direction	0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	54.9	MPa	ISO 527-2
Flexural Modulus - Tangent	4200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-40°C	3.8	kJ/m ²	ISO 180/1A
23°C	5.1	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	156	°C	ISO 75-2/B
1.8 MPa, not annealed	137	°C	ISO 75-2/A
Additional Information			

Filler Content, ISO 3451/1: 30.2%Tensile Change, ISO 188, 1000 hr, 120°C: +16%Izod Change, ISO 188, 1000 hr, 120°C: +7%

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Recommended distributors for this material

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