

GAPEX® HPP40GR49HB BLACK

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX® HPP40GR49HB BLACK is a polypropylene homopolymer (PP Homopoly) material containing 41% 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 HPP40GR49HB BLACK are:

Chemical coupling

heat stabilizer

General Information			
Filler / Reinforcement	Glass \mica, 41% filler by weight		
Additive	heat stabilizer		
Features	Chemical coupling		
	Thermal Stability		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.30	%	ASTM D955
Transverse flow	0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	82.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	6560	MPa	ASTM D790
Tangent: 23°C	7520	MPa	ASTM D790
Flexural Strength (23°C)	127	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Unnotched Izod Impact (23°C)	510	J/m	ASTM D4812
Dart Drop Impact (23°C)	0.282	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	160	°C	ASTM D648
1.8 MPa, not annealed	146	°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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