

FERREX® GPP40CC47HB

Polypropylene Homopolymer

Ferro Corporation

Message:

FERREX® GPP40CC47HB is a polypropylene homopolymer (PP Homopoly) material, and its filler is 40% calcium carbonate filler. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

FERREX® The main features of the GPP40CC47HB are:

high gloss

Homopolymer

General Information			
Filler / Reinforcement	Calcium carbonate filler, 40% filler by weight		
Features	Highlight		
	Homopolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.6	%	ASTM D955
Transverse flow	2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	23.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	31	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2280	MPa	ASTM D790
Tangent: 23°C	2960	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	43.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Unnotched Izod Impact (23°C)	970	J/m	ASTM D256
Dart Drop Impact	23.7	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	111	°C	ASTM D648
1.8 MPa, not annealed	68.3	°C	ASTM D648
Additional Information			
Filler Content, ASTM D2584: 41%			

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Recommended distributors for this material

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