

FERREX® GPP40CA04NA

Polypropylene Homopolymer

Ferro Corporation

Message:

FERREX® GPP40CA04NA 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 GPP40CA04NA 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	1.25	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.3	%	ASTM D955
Transverse flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	26.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2380	MPa	ASTM D790
Tangent: 23°C	2810	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Unnotched Izod Impact (23°C)	960	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	113	°C	ASTM D648
1.8 MPa, not annealed	71.1	°C	ASTM D648
Additional Information			
Filler Content, ASTM D2584: 42%			

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Recommended distributors for this material

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