GAPEX® APP30GP04BK

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX®APP30GP04BK is a polypropylene homopolymer (PP Homopoly) material, which contains 30% glass \minerals. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

General Information			
Filler / Reinforcement	Glass \mineral, 30% filler by weight		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.11	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.70	%	ASTM D955
Transverse flow	1.1	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	49.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	3280	MPa	ASTM D790
Tangent: 23°C	3500	MPa	ASTM D790
Flexural Strength (23°C)	69.6	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Unnotched Izod Impact (23°C)	210	J/m	ASTM D256
Dart Drop Impact (23°C)	0.226	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	155	°C	ASTM D648
1.8 MPa, not annealed	136	°C	ASTM D648
Additional Information			

The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.Filler Content, ASTM D2584: 27.0%Testing and measurements were performed at 73 +/-3°F and 50 +/-5% relative humidity unless otherwise noted.

Recommended distributors for this material

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WECHAT