

GAPEX® HT RNP23LB03BK

Polyamide + PP

Ferro Corporation

Message:

GAPEX®HT RNP23LB03BK is a polyamide + PP (nylon + PP) material, which contains a 23% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. GAPEX®The main characteristics of HT RNP23LB03BK are heat resistance.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 23% filler by weight		
Features	Heat resistance, high		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	43	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.50	%	ASTM D955
Transverse flow	1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	117	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	5100	MPa	ASTM D790
Tangent: 23°C	5140	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	15.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D256
Dart Drop Impact	0.678	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	191	°C	ASTM D648
Additional Information			
Filler Content, ASTM D2584: 23%			

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Recommended distributors for this material

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