

# GAPEX® HT RNP33LB01BK

Polyamide + PP  
Ferro Corporation

Message:  
High temperature Nylon/Polypropylene alloy.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 34% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	ASTM D955
Transverse flow	1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	130	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	7180	MPa	ASTM D790
Tangent: 23°C	7340	MPa	ASTM D790
Flexural Strength (23°C)	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Unnotched Izod Impact (23°C)	820	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	210	°C	ASTM D648
1.8 MPa, not annealed	193	°C	ASTM D648
Additional Information			

The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.

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Recommended distributors for this material

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