

# GAPEX® HT RNP43MU(xx)NA

Polyamide + PP

Ferro Corporation

## Message:

GAPEX®HT RNP43MU(xx)NA is a polyamide + PP (nylon + PP) material, which contains a 43% glass fabric reinforcement. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding. GAPEX®The main characteristics of HT RNP43MU(xx)NA are heat resistance.

General Information			
Filler / Reinforcement	Glass fabric reinforced material, 43% filler by weight		
Features	Heat resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.40	%	ASTM D955
Transverse flow	1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	130	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	25	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	8850	MPa	ASTM D790
Tangent: 23°C	8940	MPa	ASTM D790
Flexural Strength (23°C)	243	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	180	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1300	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	252	°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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