

GAPEX® HT RNP43MU04AL

Polyamide + PP
Ferro Corporation

Message:

GAPEX®HT RNP43MU04AL is a polyamide + PP (nylon + PP) material, which contains a 43% 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 RNP43MU04AL are heat resistance.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 43% filler by weight		
Features	Heat resistance, high		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	8.4	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.30	%	ASTM D955
Transverse flow	0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	143	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.5	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	945	MPa	ASTM D790
Tangent: 23°C	986	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	203	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Unnotched Izod Impact (23°C)	710	J/m	ASTM D256
Dart Drop Impact	0.520	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	257	°C	ASTM D648
1.8 MPa, not annealed	242	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 42.6%

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

