GAPEX® HT RNP23MU01BK

Polyamide + PP

Ferro Corporation

Message:

GAPEX®HT RNP23MU01BK is a polyamide + PP (nylon + PP) material, which contains a 24% 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 RNP23MU01BK are heat resistance.

General Information			
Filler / Reinforcement	Glass fabric reinforced material, 24% filler by weight		
Features	Heat resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.21	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	23	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.4	%	ISO 294-4
Flow direction	0.70	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C)	114	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2
Flexural Modulus (23°C)	5110	MPa	ISO 178
Flexural Stress (23°C)	155	MPa	ISO 178
Shear Modulus	987	MPa	ASTM D732
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ISO 180
-40°C	8.1	kJ/m²	ISO 180
23°C	9.6	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	256	°C	ISO 75-2/B
1.8 MPa, not annealed	236	°C	ISO 75-2/A
Additional Information			

The values shown for Molding Shrinkage were tested in accordance with ISO 2577.The value shown for Shear Modulus was tested in accordance with ASTM D4065.Flammability, ISO 3795: 31 mm/min

Recommended distributors for this material

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