

Date: Oct 05, 2013

# Data Sheet

(TM209)

Material: Magnetic Powder

Product No: TM209

Type: Barium Ferrite

## Composition

Chemical composition	BaFe <sub>12</sub> O <sub>19</sub>
Molecular and Crystal structure	M Ferrite Hexagonal

## Characteristics

Significant or Critical Characteristics		Test Method	Unit	Accepted Limits	
Aspect	Colour	Black			
Density	Apparent density	Std002173	g/cm <sup>3</sup>	1.2±0.3	
	Specific gravity	ISO 787-10	g/cm <sup>3</sup>	5.2±0.3	
Volatile matters content		ISO 787-2	%	≤ 0,3 (3h @ 105°C)	
Grain size distribution	Residue sieve analysis	40 Mesh	Std002174	%	≤ 1
		420 Microns			
		Mesh			
		Microns			
Median particle size		FSSS	µm	≤ 5	
Magnetic Properties	Br	Sample: mix of water (5%) and ferrite, in order to get a final density of 3.6. Dimension sample: Diameter: 35mm thickness : 7mm Pressure : 50 bars Measure materials: hysteresisgraph GB3217-92	Gs	≥1200	
	Hcb		Oe	≥1200	
	HcJ		Oe	≥2500	
	(BH)max		MGOe	≥0.3	

## Delivery Terms Specification

Presentation		Bulk material (powder)
Packaging external dimension		Length = 0,95 m max.
		Width = 0,95 m max.
		Height = 1 m max.
Weight		Mandatory = 1000 kg maxi
Packaging	Type	Big bag
	Details	Big bag 4 loops with discharge spout.

Packaging example :

