

## FLEXIBLE MAGNETIC MATERIALS | PRODUCT DATA SHEET

ISO 9001 and ISO 14001 Certified  
Version 1.0

### PRODUCT DESCRIPTION: FLEXIBLE MAGNETIC SHEETING NATURAL PRODUCT CODE: **BM705**

Standard Thicknesses: 0.4mm, 0.5mm, 0.75mm (+/- 0.03mm) and 2.0 (+/0.08mm)  
Standard Widths: 615mm (+3mm/-0) and 1000mm (+3mm/-0)  
Standard Lengths: 10m, 15m, 20m and 30m

#### MAGNETIC PROPERTIES

Maximum Energy Product: 0.65 to 0.75 MGOe  
Remanence: 1600-1900 G  
Coercivity: 1200-1500 Oe  
Intrinsic Coercivity: 2200-2500 Oe

#### Magnetic pole width and magnetic pull

Thickness of Magnetic Material	Magnetic Pole	Magnetic Pull (g/cm <sup>2</sup> )
0.40mm	2.0mm	12
0.50mm	2.0mm	29
0.75mm	2.0mm	45
1.00mm	2.0mm	46
1.50mm	2.0mm	53
2.00mm	2.5mm	59

#### PHYSICAL PROPERTIES

Flexibility: can be wrapped around a rod with a 12mm radius at 20°C without cracking  
Specific Gravity: 3.7 to 3.8 g/cm<sup>3</sup>  
Cutting: Scissor cutting, knife-cutting, die-cutting, and slitting can be done with ease

#### TEMPERATURE RESISTANCE

End-use temperature range: - 20°C / + 50°C  
Short term resistance: 70°C

#### BACKCOATING

The magnetic sheeting has a UV hardened coating on the magnetic side.

#### IMPORTANT NOTICE

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