

## FLEXIBLE MAGNETIC MATERIALS | PRODUCT DATA SHEET

ISO 9001 and ISO 14001 Certified  
Version 1.0

### PRODUCT DESCRIPTION: FLEXIBLE MAGNETIC SHEETING WITH MATT WHITE PVC FILM PRODUCT CODE: **BM705 White**

Standard Thicknesses: 0.5mm, 0.6mm, 0.85mm ( $\pm 0.03$ mm), 1.1mm, 1.6mm and 2.1mm  
*\* Thickness refers to the total thickness, i.e. thickness of magnetic sheeting plus thickness of PVC film.*  
 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> )
0.50mm EM	2.0mm	12
0.50mm PM	2.0mm	20
0.60mm	2.0mm	29
0.85mm	2.0mm	45
1.10mm	2.0mm	46
1.60mm	2.0mm	53
2.10mm	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.

#### PVC FILM

Outdoor Applications: BM understands that this PVC film can be used for outdoor applications but BM gives no guarantee to its durability. Exposure to severe humidity, ultra-violet light or conditions found in tropical, subtropical or desert regions will often cause a rapid deterioration.

#### IMPORTANT NOTICE

Published information concerning Bakker Magnetics products is based upon research and information which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of Bakker Magnetics products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages. All specifications are subject to change without prior notice. Bakker Magnetics 2015.