

## PRODUCT DATA SHEET

**PRODUCT CODE:** BM 705 white

**PRODUCT DESCRIPTION:** Flexible Magnetic Sheeting with Matt White PVC Film

**STANDARD THICKNESS<sup>1</sup>:** 0.5 mm, 0.6 mm, 0.85 mm ( $\pm 0.03$  mm)

**STANDARD WIDTH:** 615 mm (+3 mm / -0)

**STANDARD LENGTH:** 30M (+0.5 M / -0)

### MAGNETIC PROPERTIES

Maximum Energy Product: 0.65 to 0.75 MG Oe

Remanence: 1600-1900 G

Coercivity: 1200-1500 Oe

Intrinsic Coercivity: 2200-2500 Oe

### MAGNETIC POLE WIDTH AND MAGNETIC PULL

Magnetic Pole Width: 2.0 mm

| Thickness of Magnetic Material | Magnetic Pull (g/cm <sup>2</sup> ) |
|--------------------------------|------------------------------------|
| 0.5 mm                         | 20                                 |
| 0.6 mm                         | 29                                 |
| 0.85 mm                        | 45                                 |

### PHYSICAL PROPERTIES

Flexibility: can be wrapped around a rod with a 12 mm 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

**BACK COATING:** 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, sub tropical or desert regions will often cause a rapid deterioration.

### Printability:

|                                     |                  |
|-------------------------------------|------------------|
| Screen Printing: Solvent-based Inks | Yes              |
| Screen Printing: UV Cure Inks       | No               |
| Conventional Offset Printing        | Yes <sup>2</sup> |

Notes:

1. Thickness refers to the total thickness, i.e. thickness of magnetic sheeting plus thickness of PVC film.
2. Please consult ink supplier.

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