

PRODUCT DATA SHEET

010 00333

PRODUCT DESCRIPTION: Flexible Magnetic Sheeting with water based acrylic pressure-sensitive adhesive

STANDARD THICKNESS: 0.5mm (+/- 0.05mm)

STANDARD WIDTH: 1.020mm (+5mm/-1)

STANDARD LENGTH: 20M (+0.5M/-0)

GROSS WEIGHT: 36,5 KG

MAGNETIC PROPERTIES

Maximum Energy Product: 0.55 – 0.65 MGOe

Remanence: 1600 – 1900 G

Coercivity: 1200 – 1500 Oe

Intrinsic coercivity: 2200 – 2500 Oe

Pole width: 2.0 mm

Magnetic pull: 17 g/cm²

PHYSICAL PROPERTIES

Flexibility: can be wrapped around a rod with a 12mm radius at 20°C without cracking

Specific Gravity: 3.5 to 3.7 g/cm³

Cutting: Scissor cutting, knife-cutting, die-cutting and slitting can be done with ease

TEMPERATURE RESISTANCE

End-use temperature range: - 30°C / + 55°C

Short term resistance: + 65°C

MATERIAL PROPERTIES

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

PRESSURE SENSITIVE ADHESIVE

Adhesive: Consists of a thin tissue carrier coated on both sides with acrylic adhesive. It offers high tack, peel and shear properties.

Characteristics: High adhesion on most substrates but low adhesion on soft PVC substrates.

Resistance:

Resistant to water, detergents and alcohol.

Low resistance to plasticizers and low outdoor resistance.

Not recommended for use in contact with aliphatic or aromatic hydrocarbons.

Adhesive Data	Value	Test Method
Initial Tack	≥100	FTM 9
Peel 180° on stainless steel (N/25mm)		

After 20 minutes	25	FTM 1
After 24 hours	28	FTM 1
Shear (hours) 500 g – 15mm x 15mm	> 1	

Storage:

The material should be stored horizontally. Avoid sunlight and keep temperature between 10 and 30 degrees Celcius.

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