

## TECHNICAL DATA SHEET





## MAGNETIC white matt PVC

for digital and screen printing

Item	Description	Specification
Composition	Product codes and sizes	MGD-10240-WM (1,02*15m) MGD-5040-WM(0,5*15m)
	Туре	Isotropic - Flexible Magnetic Sheeting in rolls
	Colour	White matt PVC + brown magnetic
	Layers	Surface: 100 micron white matt vinyl
		Base: brown magnetic 300 micron
	Total thicknesses	0.40 mm (± 5%)
	Magnetic pull	0,40 mm 15 ÷ 18 g/cm <sup>2</sup>
	Magnetic pole width	2 mm
	Maximum Energy	0.35 to 0.65 MGOe
	Remanence	1600 – 1900 G
	Coercive Field	1100 – 1350 Oe
	Intrinsic Coercive Field	2100 – 2400 Oe
Phisical Properties	Specific Gravity	3.2 to 3.5
	Flexibility	It can be rolled up till a minimum of 8 mm diameter at 20°C without cracking
	Cutting	Scissors and knife can be used with ease, the same is for die-cutting and slitting. It is ideal for horizontal cutting plotter and for print-and-cut machines.
Temperature Resistance	End-use temperature range	- 20°C / + 50 °C
	Short term resistance	65 °C
	Flammability	DIN 4102-1, B1 Class
	Resin type	Monomeric vinyl film (coated)
White Front Layer		100 ± 8 micron
	Thickness	
	Colour	White Standard  Matt
	Finish	≥ 0.8%
	Shrinkage	
	Surface tension	≥ 30 dyne/cm
Applications	The product is ideal for the Magnet VisualComm. It has been designed for print-and-cut works. It is mainly used for display systems, car signs, business cards, refrigerator magnets, shelf/file labels, menu boards, toys, planning boards, education items, points of purchase, promotional items.	
	Screen Printing: solvent and UV Curable inks (tests before printing are recommended).	
Printing	<b>Digital Printing:</b> eco-solvent , UV Curable inks.Latex: tests before printing are recommended.	
	<b>Notes:</b> Due to the wide variety of UV inks products and digital printing machines, tests before printing are always recommended. Some UV inks may interfere with magnetic poles. Avoid high polymerization to minimize the "brittle effect" (easy flaking of the ink) and maintain the typical magnetic softness without incurring the risk of the cracking of the surface.	
	<b>Attention!</b> When die-cutting full background printed magnet, or other materials, you would observe the rising of shape edges (ink evaporation is the cause of tension surface).	
Safety Caution	<b>REACH</b> - Complying with the Italian Decree-Law number 133 issued on 14.09.2009 published on the Italian Gazzetta Ufficiale, we inform that the substances SVHC (Substances of Very High Concern) are present in a concentration lower than 0,6%. For further information, please ask for the updated regulation of SVHC taken into consideration by REACH (Registration Evaluation Authorization of CHemicals).	
Storage Period	18 months on the pallets within the box; no moisture. Under ordinary conditions at the temperature mean of 22 $^{\circ}$ C (min. 12 $^{\circ}$ C, max. 32 $^{\circ}$ C) and relative humidity of 50-55%.	
Notes	Published information 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 the 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 changes without prior notice.	



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