



**MAGNETIC**  
white matt PET  
Ultra FLAT

Item	Description	Specification
<b>Composition</b>	Product codes	PETMG-10730-WM / PETMG-12730-WM / PETMG-13730-WM / PETMG-16030-WM
	Type	Isotropic - Flexible Magnetic Sheeting in rolls
	Colour	White matt PET + brown magnetic
	Layers	Surface: 100 micron white matt polyethylene terephthalate Base: brown magnetic 200 micron
	Total thickness	0.30 mm (± 5%)
<b>Magnetic Properties</b>	Magnetic Pull	8 ÷ 10 g/cm <sup>2</sup>
	Magnetic pole width	1,5 mm
	Maximum Energy	0.6 - 0.7
	Remanence	1600 ± 150
	Coercive Field	1500 ± 150
	Intrinsic Coercive Field	3600 ± 300
<b>Physical Properties</b>	Specific Gravity	2.5 - 2.7 g/cm <sup>3</sup>
	Flexibility	It can be rolled up till a minimum of 10 mm diameter at 20°C without cracking
	Cutting	Scissor, knife, die-cutting, and slitting can be used with ease. Ideal for horizontal cutting plotter and for print-n-cut machines.
<b>Temperature and Fire Resistance</b>	End-use temperature range	- 20 °C/ + 60 °C
	Short term resistance	160 °C

<b>White Front Layer</b>	Resin type	Polyester film (coated)
	Thickness	100 ± 10 %
	Colour	Standard white
	Finish	Matt
	Shrinkage	± 0.6 %
	Surface tension	≥ 30 dyne/cm

<b>Applications</b>	The product is ideal for the Magnet VisualComm; thanks to its ultra flat surface, it can be overlapped up to 2 layers. It has been designed for print-and-cut works. It is mainly used for recreational activities and environment (it complies with EN-71 part 3): kindergartens, playing grounds, hospitals, education items (it does not cause signal interference or damage with computerized equipment like computers, pace-makers, etc).
<b>Printing</b>	<b>Screen Printing:</b> solvent and UV Curable inks (tests before printing are recommended). <b>Digital Printing:</b> eco-solvent and UV Curable inks; Latex: tests made on different printing machines. <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).
<b>Safety Caution</b>	<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 0,1%. For further information, please ask for the updated regulation of SVHC taken into consideration by REACH (Registration Evaluation Authorization of Chemicals).
<b>Storage Period</b>	<b>18 months</b> on the pallets within the box; no moisture. Under ordinary conditions at the temperature mean of 22 °C (min. 12 °C, max. 32 °C) and relative humidity of 50-55%.
<b>Notes</b>	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.