

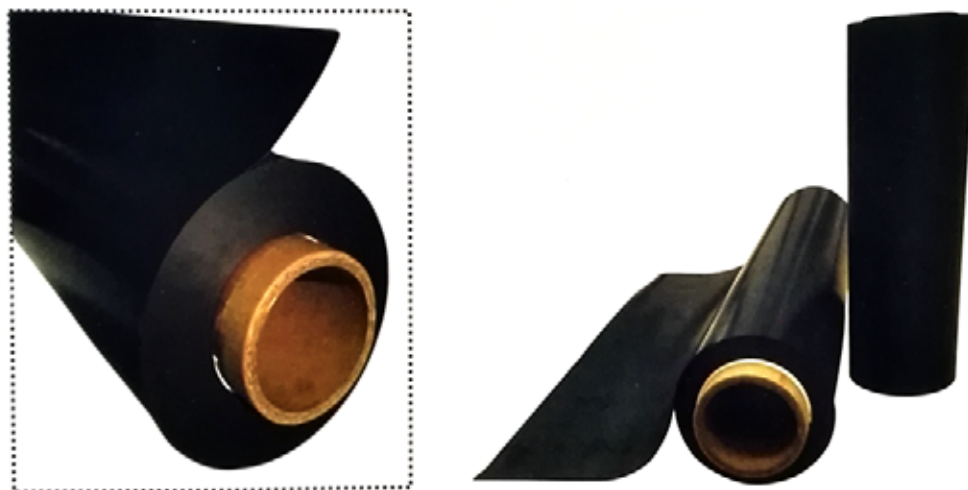
Flexible Magnetic Material is made by high quality ferrite magnet powder and thermoplastics. This product is lead free using strontium ferrite. It does not contain any heavy metal or hazardous chemicals.

This type of magnet has the best flexibility characteristics of any permanent magnetic materials. It can be easily folded and twisted without damaging the magnetic property of the magnet. It also has excellent machinability and can be easily drilled, punched, scissor cut, knife cut and die cut.

Standard Flexible Magnet is available in plain brown, with self adhesive or PVC, and also can be custom made according to your requirement.

Plain Brown Flexible Magnet

Plain Brown Flexible Magnet is without any laminations on both sides, one side is multi poles magnetized with matt or gloss UV protection coating, the other side is un-magnetized, un-coated. You can laminate self adhesive, paper or PVC on the non magnetized side.



Flexible Magnet with Adhesive

We produce Flexible Magnet laminated with all kinds of self adhesive, indoor or outdoor, rubber-based or acrylic based adhesive, Chinese adhesive or imported high quality adhesive are all available. Self adhesive is laminated on the non-magnetic side of the flexible magnetic sheet, magnetized side is with UV coating, you can easily laminated paper, card or any printing material to the flexible magnet sheet after peeling off the liner paper.



- ◆ Standard Chinese Self Adhesive
- ◆ High Quality Chinese Self Adhesive
- ◆ 3M Self Adhesive
- ◆ TESA Self Adhesive
- ◆ Japan Self Adhesive

Flexible Magnet with Printable Surfaces

We produce Flexible Magnet laminated with all kinds of printable surfaces to meet all kinds of inks or printing technology requirements. Printing media is laminated on the non-magnetic side of the Flexible Magnetic Sheet.

The most popular one is with PVC, no matter for Matt Vinyl, Gloss Vinyl or Colorful Vinyl, Screen printing or Digital printing, we have various kind of Vinyl to suit your application. Seven standard colors for your choice: White, Red, Orange, Yellow, Green, Blue and Black.

We can also produce Flexible Magnet with photo paper, art paper, synthetic paper, PET or PP. Just check with us if you need a special printing surface, we will have solution for you.

We can produce this product up to 1270mm wide for wide format printing, min. thickness is 0.25mm. This product is directly digital printable.

Surface Options:

- ◆ Vinyl
- ◆ PET
- ◆ PP
- ◆ Art Paper
- ◆ Photo Paper
- ◆ Synthetic Paper



Magnetic Property

Flexible Magnetic Materials is available in different properties. Isotropic grade is usually used for making custom printed fridge magnet and semi-anisotropic grade and anisotropic grade is usually used for industrial application or those applications which require higher magnetic holding strength.

	Isotropic	Semi-anisotropic	Anisotropic
BR(GS)	1350-2000	1900-2200	2200-2500
HCB(Oe)	1100-1600	1400-1800	1900-2300
HCJ(Oe)	1500-2400	2200-3100	2800-3500
BH(max)	0.40-0.75	0.75-0.95	1.20-1.35
(MGOe)			

Physical Properties:

Working temperature: -15°F to 160°F (-26°F – 70°F)

Hardness: Shore D40

Multi-pole spacing: we will recommend the most suitable pole pitch according to the thickness of the materials to achieve the best magnetic strength.

Flexibility: At 68°F , can be coiled to a $1/2''$ (12.7mm) radius without cracking.

Machinability: Die cuts and knife cuts cleanly and easily.

Please contact us for detail information like magnetic holding strength.

Magnetization Pattern

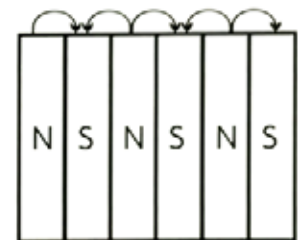
Following is standard magnetization pattern of Flexible Magnet, we can also magnetize the materials according to your requirement, please check with us about your special requirement.

(1) Single Side Multi Poles Magnetized

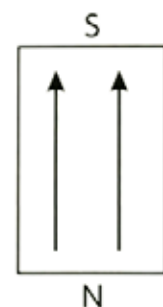
Pole pitch is available in 1.5mm, 2.0mm, 2.5mm, 3mm, 5mm, up to 7mm
Customized pole pitch is also available

There is an optimal pole pitch for different thickness to achieve the max. magnetic holding strength.

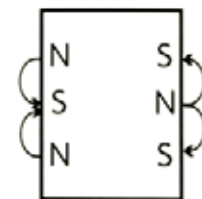
We will recommend the best pole pitch for you according to the thickness of the material.

**(2) Through Thickness Magnetized**

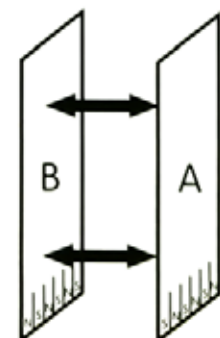
This type of magnetization is available for limited sizes, please check with us for details.

**(3) Double Side Magnetized**

Both sides are multi poles magnetized, and can attract metals on both sides.

**(4) Pair Magnetized**

Two pieces of flexible magnet magnetized by opposite magnetization pattern, so two pieces can match perfectly by pair. This is special for making bookmark or for door closure application.



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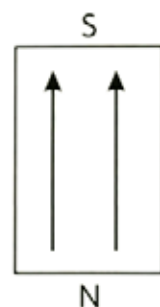
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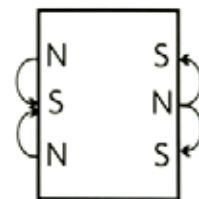
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**(2) Through Thickness Magnetized**

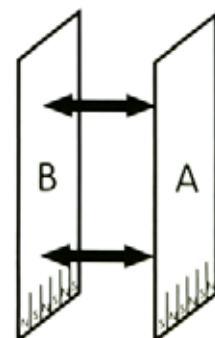
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Standard Size and Packaging

The following sizes are available in isotropic, semi-anisotropic or anisotropic grade.

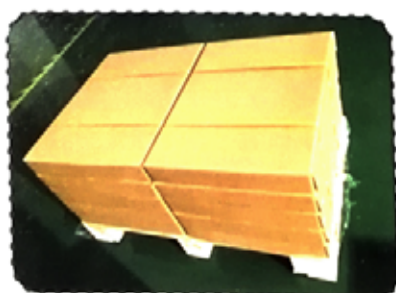
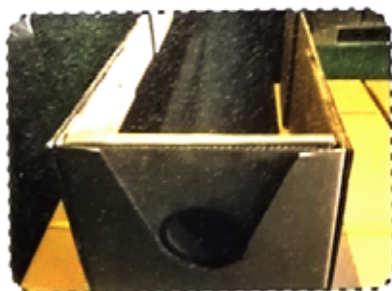
Thickness is from 0.25mm to 8mm. But thick flexible magnet is only available in limited size.

We can kiss cut or die cut the flexible magnet to any shapes or sizes according to your requirement.

Standard Popular Size

PRODUCT	SURFACE	Length (mm)	Width (mm)	Magnet Thickness	REMARKS
Sheet	1, Plain brown, Matt or Gloss UV coating on magnetized side.	1270	1000	0.25mm	1, Thickness is from 0.25mm – 8mm, 8mm is the max. 2, Width is from 10mm to 1270mm, 1270mm is the max. 3, Custom sizes are also available.
		1000	1000	0.3mm	
		1000	700	0.4mm	
	2, with self adhesive, Matt or Gloss UV on magnetize side.	500	350	0.5mm	
		690	490	0.7mm	
		620	465	0.75mm	
	3, with white or color PVC Matt or Gloss UV coating on the magnetized side.	470	310	0.8mm	
		420	305	1.0mm	
Roll	1, Plain brown, Matt or Gloss UV coating on magnetized side.	30M/20M/15M	620	1.2mm	1, Thickness is from 0.25mm – 3mm, 3mm is the max. for rolls. 2, Width is from 10mm to 1270mm, 1270mm is the max. 3, length can be more than 30meters, depend on your requirement.
		30M/20M/15M	700	1.5mm	
		30M/20M/15M	800	0.25mm	
	2, with self adhesive, Matt or Gloss UV on magnetize side.	30M/20M/15M	1000	0.3mm	
		30M/20M/15M	1270	0.4mm	
		30M/20M/15M	1270	0.5mm	
	3, with white or color PVC Matt or Gloss UV coating on the magnetized side.	30M/20M/15M	1270	0.7mm	
		30M/20M/15M	1270	0.75mm	
Jumbo Roll	1, Plain brown, Matt or Gloss UV coating on magnetized side.	665M	315	0.8mm	1, Roll length is depending on the thickness and the max. weight that the machine can hold. 2, Longer roll and wider roll is possible.
		500M	310	0.4mm	
		450M	480	0.5mm	
	2, with self adhesive, Matt or Gloss UV on magnetize side.	450M	320	0.6mm	
		375M	480	0.8mm	
		375M	320		
		200M	440		
		200M	440		

Except the above popular sizes, we can make any custom sizes, if what you are looking for is not on this list, please contact us directly for professional assistance!

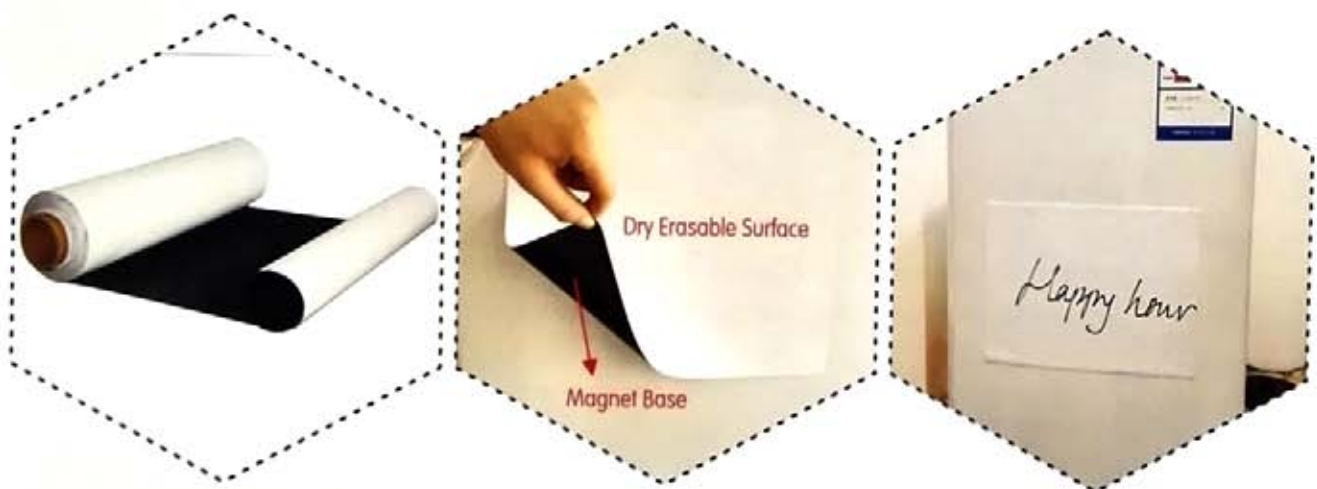


Magnetic White Board

Magnetic White Board is made from Flexible Magnetic Sheet or Flexible Iron Sheet laminated with high gloss dry erasable white film, you can use marker pen to write on the surface and erase it by tissue or cloth very easily. And the surface can be wrote and erased for many times without any damage. This product is available in two versions:

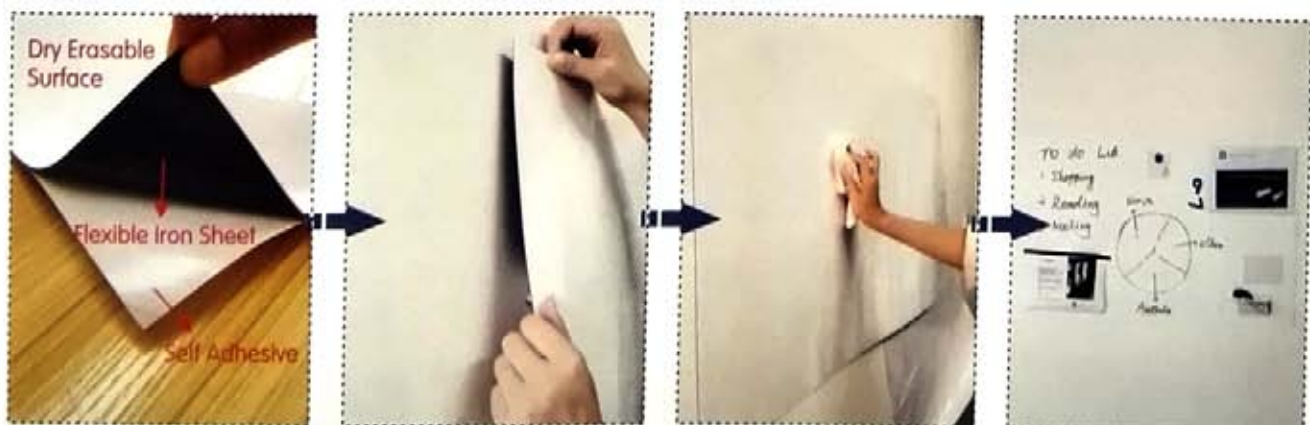
MAGNET BASE VERSION – MWBM

This product is made from Flexible Magnetic Sheet laminated with high gloss dry erasable white film on the non-magnetized side, the magnetized side can be applied to any metal surfaces directly. It is available in rolls or sheets.



IRON BASE VERSION – MWBS

This product is made from Flexible Rubber Steel (Flexible Iron Sheet) laminated with self adhesive on one side and high gloss dry erasable white film on the other side. The self adhesive side can be applied to any non-metallic smooth surfaces and the white surface is for writing. You can apply any magnetic parts onto the surface as decoration, it just works like a traditional white board, but it is more convenient to use. This product is available in sheets only.



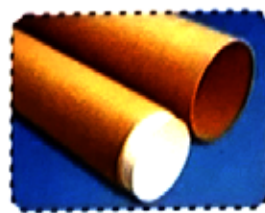
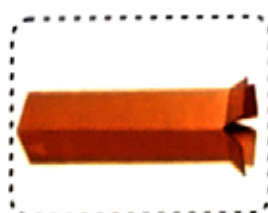
Peel the liner paper off the adhesive on one edge, and stick it to the wall, make sure the magnetic white board will be applied to the wall, continue to peel the liner paper off and move your hand with soft towel over the surface to make sure there is no air bubbles on the surface. Write on the surface or decorate the surface by magnetic parts.

SPECIFICATION

This product can be supplied in rolls, sheets or strips. Following are some standard sizes for your reference.

Products	Product Code	Length (mm)	Width (mm)	Thickness (mm)
Magnet Base	MWBM	30000	1000/620	0.5, 0.6, 0.7
		20000	1000/620	0.5, 0.6, 0.7
		10000	1000/620	0.5, 0.6, 0.7
		1000	620	0.5, 0.6, 0.7
		900	600	0.5, 0.6, 0.7
		1200	900	0.5, 0.6, 0.7
		1800	1200	0.5, 0.6, 0.7
		2400	1200	0.5, 0.6, 0.7
Iron Base	MWBS	1000	620	0.5, 0.6, 0.7
		620	500	0.5, 0.6, 0.7
		420	297	0.5, 0.6, 0.7
		900	600	0.5, 0.6, 0.7
		1200	900	0.5, 0.6, 0.7
		1800	1200	0.5, 0.6, 0.7
		2400	1200	0.5, 0.6, 0.7

We can pack magnetic white board in bulk packing, or in paper tube or carton box for retail in stores.



APPLICATION

Magnetic white board, warehouse label, location mark, education magnet, toy etc...

Ferrous Printing Media

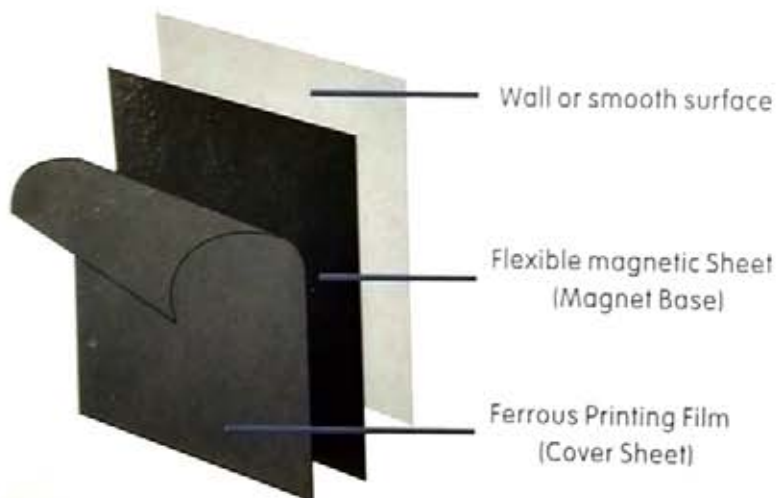
Product Description

Ferrous Printing Film is a kind of special printing media coated with a layer of thin ferrous coating on the reverse side of a kind of versatile printing media by high technology. It is flexible and can be easily cut by knife.

How To Use

Ferrous Printing Film is designed for use as a printing substrate for most inkjet digital printers. This product is available in different surfaces including PP, PET, PVC and Canvas, no matter for Solvent, Eco-solvent, water-based, UV or latex ink, there is a suitable material for you. It can be direct printed just the same way as normal PVC or similar printing substrate.

The difference of this kind of printing film is it must work with flexible magnetic sheet as partners. flexible magnetic sheet work as a magnet base and ferrous printing film work as a cover sheet to create an creative and easy working magnetic graphic system.



Magnetic Graphic System



About Magnetic Graphic System

Magnetic Graphic System consists of Flexible Magnetic Sheet as Magnet Base and Ferrous Printing Film as cover sheet. Once the Magnet Base be installed, it can be used for 3 – 5 years, what you need to do is just to change the cover sheet for new advertising or display purpose. The cover sheet is very easy to be changed by anyone without special know-how of installation. You can change one graphic very easily within one second, and it is also very convenient for transportation. Comparing with traditional PVC graphic which applied to the wall by adhesive, Magnetic Graphic System can save you a lots of installation time, labor cost and transportation cost. It is a real revolution for the sign industry.

Where To Use

It is an ideal graphic solution for advertising and display which needs to change the cover sheet graphic at the same location frequently to fulfill different advertising or display purpose. It can be used for in-store graphics for retail environments, interior decor for office, school, home, museum and more.

Specification



Ferrous Printing Film - Cover sheet

Product Code	Description & Key Features	Printer Compatibility	Total Thickness (mm)	Width (M)	Length (M)	Application
FPM-PP	0.14mm PP film, Lamination required after printing	Waterbased/ Pigment ink	0.23	0.914/1.07/ 1.27/1.37/1.52	30/50	Economic indoor signage, good for indoor display, POP, trade show display etc.
FPM-PET	0.1mm PET film with semi-gloss finishing. No lamination required after printing	Solvent/Eco-Solvent/ UV/latex	0.19	0.914/1.07/ 1.27/1.37/1.52	30/50	Indoor & Outdoor signage
FPM-CANVAS	340g cotton canvas fabric	Solvent/Eco-Solvent/ UV/latex	0.38	0.914/1.07/ 1.27/1.37/1.52	18	High quality application, interior DIY decoration for home and hotel, art reproduction for museum etc.
FPM-PET/PVC	PVC film + PET film+ 0.15mm Ferrous coating, Sandwich structure, rigid feel, strong holding strength	Solvent/Eco-Solvent/ UV/latex	0.3	0.914/1.07/ 1.27/1.37/1.52/ 1.8/2.0/2.5	30/50	High quality, wide format Indoor & Outdoor signage, durable with high temperature or humid environment.

Self Adhesive Flexible Magnet - Magnet Base

Product Code	Specification Length X Width X Thickness	Remark	Application
MB-07-PSA	30M/15M X 620/1000/1250 X 0.7MM	with self adhesive on non magnetized side and plain brown on magnetized side	Apply to wall by adhesive or glue to create a magnetic base for ferrous printing film
MB-07-PB	30M/15M X 620/1000/1250 X 0.7MM	Plain brown on both sides, both sides in brown color	
MB-07-PSA/PVC	30M/15M X 620/1000/1250 X 0.7MM	with self adhesive on non magnetized side and white matt PVC on magnetized side	