

MAGNETIC STRIP AND EXTRUSIONS | DATASHEET 2015

ISO 9001 and ISO 14001 Certified
Version 1.0

CALENDERED STRIP / EXTRUSIONS

PRODUCT DESCRIPTION:

High intensity lines of magnetic polarity fully cover one surface of the flexible magnetic material. The optimum magnetic strength is on the inside of the roll. Full width 615 up to 1000 mm polarisation exhibits a tractive force depending on thickness and quality from 20 up to 100 g/cm².

PHYSICAL PROPERTIES

Coating temperature range – designed to withstand continuous exposure to temperatures up to 70°C.

Stability – excellent throughout –15°C to 55°C, short-term resistance: 70°C.

Weather resistance – excellent.

Flexibility – bending without cracking around a 25,4 mm diameter rod at 20°C (sheets up to 1,5 mm thickness).

Machinability – suitable for punching, die cutting, knife cutting with any kind of paper-cutting machine, shears or knives.

Density – 3,7 – 3,8 g/cm³.

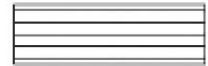
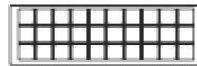
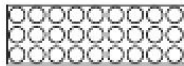
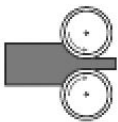
BM uncoated flexible magnetic material contains no plasticising agents or solvents and with normal use BM uncoated and coated flexible magnetic material will give years of service

AVAILABLE COATINGS / ADHESIVES

- Standard matte white welded
- Premium high-gloss white welded
- Standard colours (laminated): red, blue, green, yellow, black
- Pressure sensitive adhesive backings in a wide range

CALENDERING

Can be machined, cut, die cut, welded and laminated to customer wishes.



Magnetic Properties Calendered Strip / Extrusions

	Remanence Br(kG)	Remanence Br(mT)	Normal Coercivity HcB(kOe)	Normal Coercivity HcB(kA/m)	Intrinsic Coercivity HcJ(kOe)	Intrinsic Coercivity HcJ(kA/m)	Max. energy Product (BH)max (MGOe)	Max. energy Product (BH)max (kJ/m ³)
Isotropic	1,6 - 1,9.	160 – 190	1,20 - 1,50	107	2,20 - 2,50	187	0,65 - 0,75	5,60
Anisotropic	2,1 - 2,4	210 – 240	1,90 - 2,20	163	3,10 - 3,50	262	1,10 - 1,30	9,60

Higher energy values available upon request

APPLICATIONS

Sales promotions, die cut letters and numbers, educational toys, display boards, decoration panels, nameplates, signage, advertising specialties, games, etc.

IMPORTANT NOTICE

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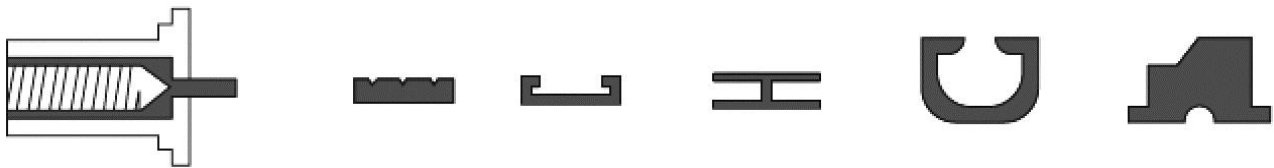
EXTRUDED STRIP / PROFILE

PRODUCT DESCRIPTION:

Custom designed extrusion and custom cut parts to fit your specifications. Standard and high energy strip is available. Pattern fit for your application, magnetised or not magnetised

EXTRUDING

Can be cut and laminated to customer wishes..



PATTERNS OF MAGNETISATION

- Magnetised Axially
- Magnetised Multipole on one side : 2 / 3 / 5 and 9 poles are available in pole / counter pole combinations

Magnetic Properties Extruded Material / Extrusions

	Remanence	Remanence	Normal Coercivity	Normal Coercivity	Intrinsic Coercivity	Intrinsic Coercivity	Max. energy Product (BH) _{max}	Max. energy Product (BH) _{max}
	Br(kG)	Br(mT)	HcB(kOe)	HcB(kA/m)	HcJ(kOe)	HcJ(kA/m)	(MGOe)	(kJ/m ³)
Isotropic	1,70	170	1,30	104	1,95	155	0,65	5,18
Anisotropic	2,05	205	1,70	135	2,55	203	1,00	8,76

Higher energy values available upon request.
Density: 3,65 - 3,89 g/cm³.

APPLICATIONS

Pop-up displays, profiles for shower and refrigerator doors, poster displays, secondary glazing, visual planning, magnetic knife racks, shelf labelling, etc.

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