

SAV 240.70

FLEXIBLE PERMANENT MAGNETS

Easy to machine

APPLICATION

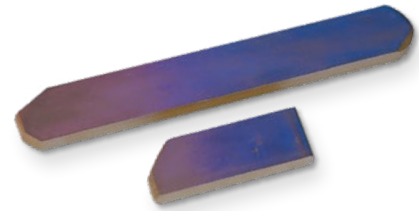
Bending produces ring magnets which are used for small DC motors by inserting them into the stator sleeve. Axially magnetised rings or discs can be punched out of strips. Holding magnet bars can be manufactured with excellent holding forces in any length. To achieve this, flexible magnet strips are placed between two flat pieces of iron (sandwich system, see drawing). They are attached using glueing or pressing. Easy to machine with normal tools.

DESIGN

Improved magnetic capacity through length-wise alignment of the crystals in the magnetic field (anisotropy). Resistant to demagnetising, ageing-resistant.

MAGNET MATERIAL

- Hard ferrite, polymer-bonded
- Max. service temperature: 85 °C
- Max. bending radius: 8 x thickness
- Hardness: 90 – 100 Shore
- Density: 3.7 g/cm³

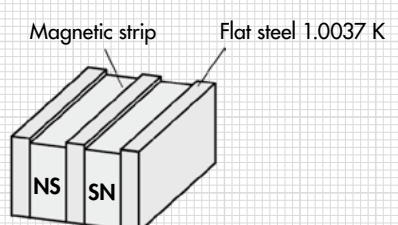


CHEMICAL RESISTANCE

Excellent – to air, ozone, steam. **Not affected** by mineral oil, weak acid and lye, kerosene and glycol. **Slightly affected** by nitric acid. **Swelling** caused by petrol, acetone, alcohol (90%). **Dissolved** by benzene, chlorinated solvents.

Type	mm		
	Thickness ±0.15	Width ±0.25	Length ±0.50
MF 10 - 03	3	25	200
MF 10 - 05	5	25	200
MF 10 - 06	6	30	200
MF 10 - 08 - 30	8	30	200
MF 10 - 08 - 09	8	9	250
MF 10 - 08 - 24	8	24	500

ORDERING EXAMPLE	
Designation	SAV no. - type
Flexible permanent magnet	SAV 240.70 - MF 10 - 06



SAV 240.72

MAGNETIC TAPES

Self-adhesive

DESIGN

Improved rated holding force through alignment of the crystals, magnetised on one side, dark brown with smooth surface, can be cut with scissors. The displacement force is approx. 1/3 of the rated holding force.

Max. service temperature: 75 °C
Rated holding force: 0.8 N/cm²

FASTENING OPTION

Almost non-magnetic rear side with self-adhesive coating.

NOTE

Excellent adhesion on thin metal sheets through multi-pole magnetising.



Type	mm			m
	Width	Thickness	Width tolerance	Length per roll
MB 60 - 12*	12.7	1.5	±0.3	10 / 30
MB 60 - 20	20	1.5	±0.3	10 / 30
MB 60 - 25*	25.4	1.6	±0.3	10 / 30

*Also available in a version where the magnetic tape is magnetised in such a way that 2 tapes can be stacked exactly. In this case, a set of 2 rolls is supplied, one as version A and one as version B.

ORDERING EXAMPLE	
Designation	SAV no. - type
Magnetic tape	SAV 240.72 - MB 60 - 12