PLASTOLAMINATE

The oriented magnetic plastic ferrite is obtained through a lamination process with powders embodying barium oxide and synthetic rubber.

The main characteristics of this material is its machinability. From the standpoint of its real magnetic force, it ranks between SXD and SXF ferrite (iso and anisotropic).

The new REX protection film (acrylic resin) increases abrasion resistance and ameliorates its look. (applied on request only).

CHARACTERISTICS

Remanence	: Br (G) 2400 ± 2%
Coercive force	: BHC (Oe) > 1900
Intrinsic coercive force	: IHC (Oe) > 2700
Max. energy product	: BH max (MGOe) ± 1,4
T° coefficient	: Br in % °C – 0,2
Specific weight	: g/cm³ ± 3,7

Attraction force of operating magnet depends on :

- The thickness
- The magnetization type
- The airgap, if any
- The application or not of pole shoe

Behaviour of magnetic materials as to work T°.

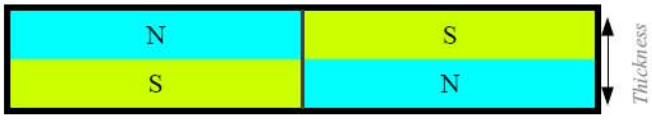
Our laminated rubber does not undergo variations up to 25°. From 30° to 120°, it loses 2% every 10° of variation. These losses are fully reversible. Over 100° it will show a loss of flexibility (irreversible).
At 209° it starts smoking, while at 270° it burns.

Plastolaminate rubber is available in three magnetizations :

Axial magnetization

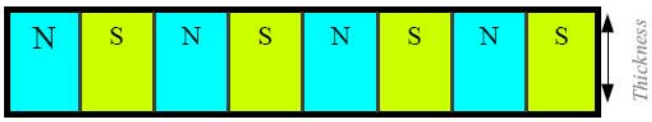
Axial magnetization : characteristics
A north face and a south face.
Maximum width mm 140.
Thickness from mm 1.5 to mm 8.
Maximum length mm 1500.

2 pole magnetization



2 pole magnetization : characteristics
Two poles on both faces.
Width from mm 15 to mm 35.
Thickness from mm 1.5 to mm 8.
Maximum length mm 1500.

Multipole magnetization



Multipole magnetization : characteristics
On one face only, with 5 to 7 mm pole pitch.
Maximum width mm 400.
Thickness from mm 1.5 to mm 8.
Maximum length mm 1500.

To elaborate your magnetic system, please contact us.

S T S