

Flexible Magnet

Flexible Magnetic Sheeting

Flexible Magnetic Sheeting is produced with calendering process. It is normally used in office appliance, advertising, checking and testing meters etc. According to its magnetization method, it is divided into penetration magnetization and surface magnetization. (pole width 2,4,7mm or 12,7/6.4/3.6 poles per inch). Magnetic properties of flexible magnetic sheeting



Code	Br	Hcb	Hcj	(BH)max	Forming way	Size		
	T	KA/m	KA/m	KJ/m3		Max Length(m)	Max Width(mm)	Height(mm)
YXZY-1	0.13~0.18	80~120	100~160	4~6.4	Calendering	100	400	0.4~1.1
YXZY-2	0.18~0.22	100~140	120~190	6.4~8.0	Calendering	2	930	0.6~3
YXZY-3	0.21~0.239	140~165	150~210	8.0~10.4	Calendering	100	400	0.4~1.5
YXZY-4	0.24~0.265	152'6~181	200~270	10.4~12.5	Calendering	2	400	0.6~6

Physical properties of flexible magnetic sheeting

Code	Tensile Strength (MPa)	Elongation Rate (%)	Hardness (SHA)	Temperature (oC)	Density (g/cm3)
YXZY-1	7~12	100~200	85~98	-10~80	3.6~3.7
YXZY-2	7~12	100~300	85~98	-10~80	3.6~3.7
YXZY-3	7~12	100~200	85~98	-10~80	3.6~3.7
YXZY-4	7~12	100~300	85~98	-10~80	3.6~3.7

Flexible Magnetic Extrusions

Flexible Magnetic Strips and Custom Profile are thermoplastic permanent magnetic Extrusions. It can provide superior holding power and widely used in stationery, household appliance, water-tight appliance. According to its magnetic property, it is divided into anisotropic and isotropic; according to its magnetization way, it is divided into surface magnetization and penetration magnetization (longitudinal, transverse and bilateral).

Magnetic properties of extruded magnetic stripe



Code	Br	Hcb	Hcj	(BH)max	Forming way	Size		
	T	KA/m	KA/m	KJ/m3		Max Length(m)	Max Width(mm)	Height(mm)
YXZJ-1	0.13~0.18	80~115	100~160	4~6.4	Extrusion	100	400	0.4~1.1
YXZJ-2	0.18~0.22	100~140	120~190	6.4~8.0	Extrusion	2	930	0.6~3

Physical properties of extruded magnetic stripe

Code	Tensile Strength (MPa)	Elongation Rate (%)	Hardness (SHA)	Temperature (oC)	Density (g/cm3)
YXZJ-1	5~10	30~100	85~98	-10~80	3.6~3.7
YXZJ-2	5~10	40~100	85~98	-10~80	3.6~3.7

Flexible Magnets for Micro-Motor

Flexible Magnets for Micro-Motor are thermoplastic permanent ferrite magnets with Enjoying characteristics of satisfactory magnetic property , mechanic property , chemical corrosion resisting Property ,strict size precision and good consistency , it is widely used in motors of TV antenna ,CD player , VCD player and tape rewinder , etc.

PHYSICAL&MAGNETIC PROPERTIES OF FLEXIBLE MAGNETS FOR MICRO-MOTORS



		YXZY-4C	YXZY-4N
Magneticproperty	Residual induction Br(T)	0.24-0.25	0.23-0.25
	Coercive force Hcb(kA/m)	159-183	159-183
	Intrinsic coercive force Hcj(kA/m)	>=200	>=239
	Maximum energy product(BH)max(kJ/m3)	11.1-11.9	10.7-11.9
Adhesive agent components		Chlorinated polyethylene	Butyronitrile rubber
Appearance	The face:clean and polish on polish ;no bubble ;no scuffing ; Upper and below edge is vertical ; fracture is smooth.		
Tolerance	Length +0.2mm width +0.1mm thickness +0.05(or according to the contract requirement)		
Physical property	Tensile strength(Mpa)	>=7	>=7
	Elongation rate(%)	>=100	>=100
	Hardness(SHA)	>=88	>=86
	Density(g/cm3)	3.6-3.7	3.6-3.7
	Temperature(℃)	-40-100	-40-100
	Winding character	Contract value	
	Thermal expansion coefficient	28 x 10-5/℃	
Corrosion Resisting Property	10%HCl	○	○
	20%HCl	○	○
	10%H2SO4	⊕	⊕
	20%H2SO4	⊕	⊕
	absolute ethly alcohol	○	○
	methylbenzene	×	×
	gasoline	○	○
	benzene	×	×
	acetone	×	×
	28% ammonia water	○	○
	engine oil	⊕	○
○ excellent ⊕ good × bad			

Film-Covered Magnets

Film-covered magnet is laminated Flexible magnets adhered to various kinds of PVC. PP, double-sided tape .The colors of films are various . It is normally used on teaching-aid ,children'toys,gifts And advertising .The magnetization method is normally surface-multipole magnetization (pole-width 2,4,7mm or 12.7/6.4/3.6 poles per inch) ,or be decided according to customers' need. Magnetic properties of film covered magnets



Code	Br	Hcb	Hcj	(BH)max	Forming way	Size		
	T	KA/m	KA/m	KJ/m3		Max Length(m)	Max Width(mm)	Height(mm)
YXZY-1	0.13~0.18	80~120	100~160	4~6.4	Calendering	100	400	0.4~1.1
YXZY-2	0.18~0.22	100~140	120~190	6.4~8.0	Calendering	2	930	0.6~1.5
YXZY-3	0.21~0.239	140~165	150~210	8.0~10.4	Calendering	100	400	0.4~1.5

A flexible magnet sheeting and refrigerator magnet, rubber magnet manufacturer.

YXZY-4	0.24~0.265	156~181	200~270	10.4~12.5	Calendering	2	400	0.6~1.5
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Physical properties of film-covering magnets

Code	Hardness (SHA)	Temperature (oC)	Density (g/cm3)
YXZY-1	85~98	-10~80	3.6~3.7
YXZY-2	85~98	-10~80	3.6~3.7
YXZY-3	85~98	-10~80	3.6~3.7
YXZY-4	85~98	-10~80	3.6~3.7

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