

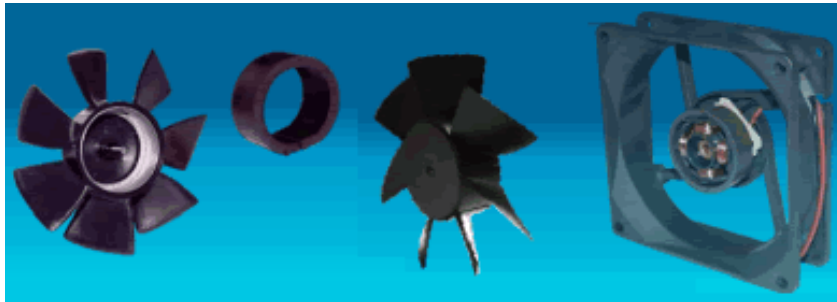
# Flexible Magnets for Micro-Motor

## 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/m <sup>3</sup> )	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/cm <sup>3</sup> )	3.6-3.7	3.6-3.7

	Temperature(℃)	-40-100	-40-100
	Winding character	Contract value	
	Thermal expansion coefficient	28 x 10 <sup>-5</sup> /℃	
Corrosion Resisting Property	10%HCl	○	○
	20%HCl	○	○
	10%H <sub>2</sub> SO <sub>4</sub>	⊙	⊙
	20%H <sub>2</sub> SO <sub>4</sub>	⊙	⊙
	absolute ethly alcohol	○	○
	methylbenzene	×	×
	gasoline	○	○
	benzene	×	×
	acetone	×	×
	28% ammonia water	○	○
	engine oil	⊙	○
	○ excellent ⊙ good × bad		

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Add :F/16, Jinyuan plaza, # 57 South Hubin.Rd, Xiamen, CHINA 361004  
Tel : (86)592 2295387 (86)592 2217138 Fax: (86)592 2207122  
Email To Us: [susana@aaamagnet.net](mailto:susana@aaamagnet.net)

***Magnets Products Suppliers  
YuXiang Company.***