

Extruding fridge strip

Magnetic compound for Extruding fridge strip

YXF Brand Strontium Plastic Bonded Ferrite Magnetic compound are suitable for making various bonded magnets. They have good compatibility with different kinds of composite materials, such as nylon, resin, polyvinyl chloride and rubber etc.. Due to the large particle size, such powders have high filling capacity. They can be used for making different kinds of magnets by extrusion or infecting moulding. The strict quality control system of our plant ensures that the quality is stable and consistent.



Characteristics of products									Testing Method
Br(mT)		bHc(kA/m)		iHc(kA/m)		(BH)max(kj/m ³)		Granularity (μm)	
Typical	Min	Typical	Min	Typical	Min	Typical	Min		
YXF-1	BaFe ₁₂ O ₁₉	150	140	95.5	87.5	183	167	2.0 ~ 4.0	Green piece
YXF-2	BaFe ₁₂ O ₁₉	180	175	119	115	183	167	1.1 ~ 1.4	Green piece
YXF-2b	BaFe ₁₂ O ₁₉	180	175	111	107	151	143	1.5 ~ 1.8	Green piece
YXF-2c	BaFe ₁₂ O ₁₉	180	175	111	107	151	143	1.8 ~ 2.1	Green piece
YXF-2S	SrFe ₁₂ O ₁₉	180	175	119	115	183	167	1.1 ~ 1.4	Green piece
YXF-2Sb	SrFe ₁₂ O ₁₉	180	175	111	107	159	143	1.5 ~ 1.8	Green piece
YXF-2Sc	SrFe ₁₂ O ₁₉	180	175	111	107	159	143	1.8 ~ 2.1	Green piece

Test result of magnetic strip used for refrigerator gaskets

Characteristics for extruded strip

(measured on finished extruded strip dim. 2.4 x 9 mm with insulation)

Properties			Values		
			2.4 x 9 (mm)	2.4 x 9 (mm)	2.4 x 9 (mm)
1.	Hardness Shore	Hs (A)	96	96.2	96.6
2.	Density	g/cm ³	3.55	3.76	3.57
3.	Force of cohesion (with 0.5mm air gap)	g/cm	72.4	272.4	72.4
4.	Max. surface magnetic induction	mT	75	71	74
5.	Tear resistance	kg/cm ²	72	76	68
6.	Crack elongation rate	%	124	107	87
7.	Temp. coefficient of surface magnetic force, continuously working for 240 hours at 80°C	%	1.5	0.7	0.3
8.	Temp. coefficient of surface magnetic force, continuously working for 240 hours at -20°C	1.4	1.3	0.3>	
9.	Flexural strength (twist around a stick ϕ 16mm)		Passed	Passed	Passed
10.	Torsion characteristics: when torsion around 360		Passed	Passed	Passed

Magnetic properties of magnetic compound

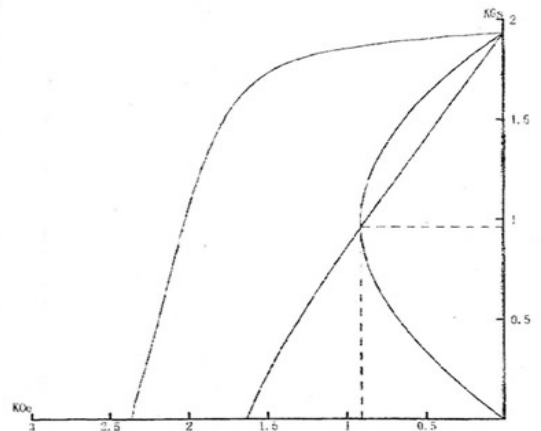
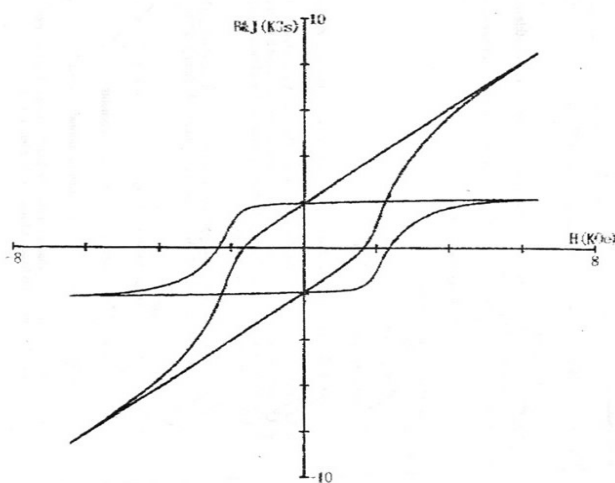
Shape: cylinder

Size: Dia.25.5mm

Test temperature: 21°C

Material: N13

Remanence		Coercive Force		Intrinsic Coercive Force		Max. Energy Products	
Br		HcB		HcJ		(BH)max.	
T	Gs	KA/m	Oe	KA/m	Oe	KJ/m ³	MGOe
.1936	1936	130.3	1637	187.4	2356	6.918	.8693
Bd		Hd		Hm		HK	HK/HcJ
Gs		Oe		Oe		Oe	
961.0		904.8		12807		1474	.6255



COLOR:

White, black, gray, light yellow, light black, porcelain white, etc, anyway, specific hardness, color of PVC compound could be made as per customers demands.

SHAPE:

Dimensions and tolerances as well as polarity correspond to the relevant valid YUXiANG drawing.

STORAGE

In general, long storage times in a humid and hot climate may result in brittleness of the magnetic strip. The storage time should not exceed: 12 months at a storage temperature of up to 25 °C/50% relative humidity, 6 months at a storage temperature of up to 40 °C/50% relative humidity.

In case of higher temperatures and humidities, the storage time should be reduced accordingly. The cartons should remain sealed during storage in order to avoid possible hardening of the magnetic strip caused by long-term exposure to light. Permissible stacking height for stationary storage: three pallets on top of each other.

FUNCTION

We guarantee a series delivery according to specification. The customer determines the suitability of our products of the specific application by way of appropriated functional tests of series delivery. For Yuxiang, the written approval of sampled quality is proof of functionality. Further guarantees are not assumed by YUXIANG.

CHANGES

As the responsible supplier, YUXIANG reserves the right to make changes and modifications with regard to the enhancement and further development of the product mentioned in the contract, modifications to the specifications stipulated herein being excluded.

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***Magnets Products Suppliers
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