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Bonded ferrite powder

Dry pressing ferrite powder

Wet pressing Ferrite Powder

Ndfeb powder

AlniCo powder

SmCo powder

### Bonded Ferrite Powder

Specifications of **YX Plastic Bonded Ferrite** Magnetic Materials

YXC series Strontium plastic bonded ferrite magnetic powders are suitable for making various bonded magnets. They have good compatibility with different kinds of composite size, such powders have high filling capacity. They can be used for making different kinds of magnets by extrusion or injection molding. The strict quality control system of our plant ensures that the quality is stable and consistent.

1. Material Properties



Type	Material	Qualified standard of magnetic property					Average granularity (um)	Water content of fine powder (%)	Forming method
		Br (mT)	bHc (KA/m)	iHc (KA/m)	(BH)max (KJ/m <sup>3</sup> )	Test Method			
YXF-1	BaFe <sub>12</sub> O <sub>19</sub>	≥135	-	≥183	-	Green piece	2-4	≤0.5	Extrusion or Calendering
		≥150	≥95	≥167	≥3.58	calendering			
YXF-2	BaFe <sub>12</sub> O <sub>19</sub>	≥140	-	≥183	-	Green piece	1.1-1.4	≤0.5	
		≥180	≥115	≥167	≥5.57	calendering			
YXF-2b	BaFe <sub>12</sub> O <sub>19</sub>	≥145	-	≥160	-	Green piece	1.5-1.8	≤0.5	
		≥180	≥107	≥143	≥5.17	calendering			
YXF-2c	SrFe <sub>12</sub> O <sub>19</sub>	≥145	-	≥160	-	calendering	1.8-2.1	≤0.5	
		≥180	≥107	≥143	≥5.17	calendering			
YXF-2S	SrFe <sub>12</sub> O <sub>19</sub>	≥145	-	≥183	-	Green piece	1.1-1.4	≤0.5	
		180	≥115	≥167	≥5.57	calendering			
YXM-2Sb	SrFe <sub>12</sub> O <sub>19</sub>	≥145	-	≥160	-	Green piece	1.5-1.8	≤0.5	
		180	≥107	≥143	≥5.17	calendering			
YXM-		≥145	-	≥160	-	Green piece	1.8-2.1	≤0.5	

2Sc	SrFe <sub>12</sub> O <sub>19</sub>	≥180	≥107	≥143	≥5.17	calendering			
YXF-3	SrFe <sub>12</sub> O <sub>19</sub>	≥140	-	≥215	-	Green piece	1.3-1.6	≤0.5	
		≥240	≥160	≥207	≥10.34	calendering			Magnetic orientation
YXF-4	SrFe <sub>12</sub> O <sub>19</sub>	≥140	-	≥263	-	Green piece	1.3-1.6	≤0.5	
		≥240	≥160	≥207	≥10.34	calendering			
YXF-4b	SrFe <sub>12</sub> O <sub>19</sub>	≥140	-	≥280	-	Green piece	1.0-1.3	≤0.5	Calendering orientation
		≥240	≥167	≥239	≥11.1	calendering			

## 2. Procedure Summaries

- Before production, the powders should avoid being humidified, and avoid being mixed with other material and impurity.
- The mixture ratio of binders and plasticizers should be defined according to the grade of the powder. The powder and binders and plasticizers should be mixed uniformly.
- The working temperature of extruding should be controlled between 50°C to 90°C. (calendering plate is usually between 80°C to 120°C)
- Please adjust the extruding speed, calendering speed and times, according to the property required.

TOP

### Ndfeb Magnet

Sintered Ndfeb Magnet  
Bonded Ndfeb magnet  
Injection Bonded Ndfeb Magnet

### Ferrite Magnet

Sintered Ferrite Magnet  
Bonded ferrite magnet  
Injection Bonded Ferrite Magnet

### Alnico Magnet

cast alnico  
sintered alnico  
bonded alnico  
Isotropy AlNiCo alloy  
Anisotropy AlNiCo alloy

### SmCo Magnets

Sintered SmCo magnet  
Bonded SmCo magnet  
Injection bonded SmCo magnet

### Machinery

magnetizer  
tesla meter  
**Magnetic Jewelry**  
Magnetic jewelry  
Magnetic bead  
Magnetic bracelet

### Flexible Magnet

Flexible Magnetic Sheeting  
Flexible Magnetic  
Extrusions  
Flexible Magnets for Micro-Motor

### Magnetic Compound

Extruding fridge stripe  
Dry pressing ferrite magnet  
Injection ferrite bonded  
Injection NdFeB bonded  
Injection SmCo bonded

### Magnetic Assemblies

Alnico holding assemblies  
Ferrite holding assemblies  
Magnetic Base  
Permanent Magnet Lifter

### Magnetic Powder

Ferrite powder  
Ndfeb Powder  
Alnico powder  
Smco powder

### Fridge Magnet

Flat fridge magnets  
2D flat fridge magnets  
Fridge magnet Application

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