

Sintered Ferrite for Dry Pressing

High performance anisotropic magnetic powder for dry pressing can be used in manufacture of arc magnets for motor, radial oriented and multipole oriented ring or cylindrical magnet, small size thin product and comparatively intricate shapes magnet. Isotropic magnetic powder for dry pressing mainly used in manufacture of micro electrical motor, visual ads, stationery, etc.



P/N	Material	Magnetic Properties				Shrinkage %	Find Powder (μm)	Moisture %
		Br	bHc	iHc	(BH)max			
		mT	(kA/m)	(kA/m)	(KJ/m ³)			
BMS-1A	BaFe12O19	230±10	155±12	251±12	8.4±0.8	15.0±1.0	0.90±0.10	≤0.5
BMS-2.4	SrFe12O19	360±10	219±12	235±12	23.6±1.6	15.0±1.0	0.83±0.05	≤0.5
BMS-2.5	SrFe12O19	375±10	232±12	240±12	25.0±1.6	13.0±0.5	0.83±0.05	≤0.5
BMS-2.5B	SrFe12O19	375±10	242±12	252±12	24.6±1.6	13.5±1.0	0.83±0.05	≤0.5
BMS-2.6	SrFe12O19	377±5	239±12	247±12	26.2±1.6	14.0±1.0	0.83±0.05	≤0.5
BMS-2.6B	SrFe12O19	380±5	250±12	260±12	26.2±1.6	13.5±0.5	0.83±0.05	≤0.5
BMS-2.6H	SrFe12O19	375±5	257±12	272±12	25.5±1.6	14.0±1.0	0.83±0.05	≤0.5
BMS-2.6E	SrFe12O19	367±5	267±12	287±12	24.7±1.6	14.0±1.0	0.83±0.05	≤0.5
BMS-2.7B	SrFe12O19	383±5	269±12	282±12	26.3±1.6	14.0±1.0	0.83±0.05	≤0.5
BMS-2.7H	SrFe12O19	377±5	267±12	302±12	26.3±1.6	14.0±1.0	0.83±0.05	≤0.5
BMS-2.9D	SrFe12O19	405±10	255±12	262±12	29.5±1.6	13.0±1.0	0.83±0.05	≤0.5
BMS-2.9DH	SrFe12O19	390±10	278±12	318±12	27.5±1.6	13.5±1.0	0.83±0.05	≤0.5
BMS-2.9H	SrFe12O19	375±10	278±12	394±12	26.0±1.6	13.0±1.0	0.83±0.05	≤0.5

Sintered Ferrite for Wet Pressing

Anisotropic hard ferrite powders for wet pressing are used in manufacture of sintered magnets for high energy product. These kinds of products are mainly used in medium and higher class speaker rings, NMR devices, household appliance and automotive motors.



P/N	Material	Magnetic Properties				Shrinkage %	Coarse Powder (μm)	Fine Powder (μm)	Moisture %
		Br	bHc	iHc	(BH)max				
		mT	(kA/m)	(kA/m)	(KJ/m ³)				
BMS-3	BaFe12O19	390±10	163±12	167±12	28.6±1.6	12.0±1.0	4.5±1.5	0.83±0.05	≤0.5
BMS-5	SrFe12O19	405±5	255±12	270±12	312±1.6	12.5±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-5H	SrFe12O19	>410	>260	270±12	32.2±1.6	12.5±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-6	SrFe12O19	420±10	255±12	270±12	32.2±1.6	12.5±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-7	SrFe12O19	420±10	299±12	322±12	32.6±1.6	12.0±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-7.2	SrFe12O19	410±10	295±12	358±12	31.6±1.6	12.0±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-7.4	SrFe12O19	395±10	292±12	397±12	30.1±1.6	12.0±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-9.1	SrFe12O19	430±10	263±12	287±12	36.0±1.6	12.5±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-9.2	SrFe12O19	430±10	318±12	358±12	35.0±1.6	12.5±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-9.3	SrFe12O19	430±10	310±12	394±12	35.0±1.6	12.5±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-9.5	SrFe12O19	430±10	318±12	409.9±12	35.0±1.6	12.5±1.0	4.5±1.5	0.70±0.05	≤0.5
BMS-9.6	SrFe12O19	440±10	318±12	394±12	36.0±1.6	12.5±1.0	4.5±1.5	0.70±0.05	≤0.5

Bonded Ferrite Powder

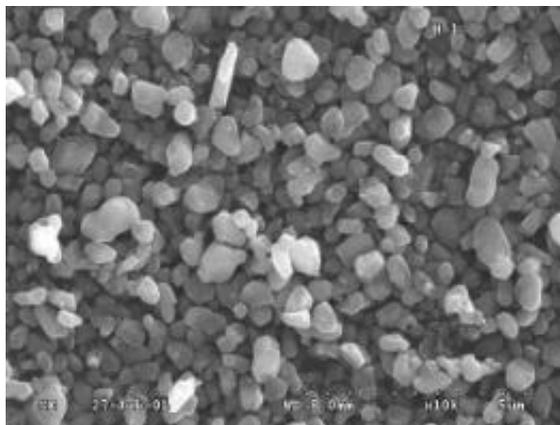
Hard ferrite powder for bonded magnets has a wide application, for example, isotropic magnetic ferrite powder can be used in manufacture of sound dampening of automotive, fridge magnets, visual ads and sealing strip. Injection molding magnetic powder used in manufacture of rigid motor magnets, magnetic roll of copier and printer, anisotropic calendaring magnetic ferrite powder used in manufacture of flexible motor magnets.



P/N	Material	Find Powder (μm)	Moisture %	Magnetic Properties				Testing Method
				Br	bHc	iHc	(BH)max	
				mT	(kA/m)	(kA/m)	(KJ/m ³)	
BMXF-2D	BaFe12O19	2.0 \pm 0.4	\leq 0.5	145 \pm 5	95 \pm 16	195 \pm 25	3.5 \pm 0.4	Green Piece
BMXF-2SH	SrFe12O19	1.7 \pm 0.3	\leq 0.5	145 \pm 5	95 \pm 16	195 \pm 12	3.5 \pm 0.4	Green Piece
				225 \pm 10	135 \pm 16	172 \pm 12	9.0 \pm 1.0	Calendering
BMXF-3D	SrFe12O19	1.80 \pm 0.20	\leq 0.5	170 \pm 5	115 \pm 6	219 \pm 12	5.2 \pm 0.5	Green Piece
				290 \pm 5	203 \pm 12	235 \pm 16	15.9 \pm 0.8	Injection
BMXF-4D	SrFe12O19	1.2 \pm 0.1	\leq 0.5	157 \pm 5	110 \pm 5	\geq 240	4.6 \pm 0.3	Green Piece
				264 \pm 6	185 \pm 5	240 \pm 15	13.0 \pm 0.8	Calendering
BMXF-4DH	SrFe12O19	1.20 \pm 0.15	\leq 0.5	157 \pm 5	110 \pm 5	306 \pm 12	4.6 \pm 0.3	Green Piece
				262 \pm 5	185 \pm 5	345 \pm 25	13.0 \pm 0.8	Calendering
BMXF-4D2	SrFe12O19	1.2 \pm 0.1	\leq 0.5	160 \pm 5	110 \pm 5	252 \pm 12	4.7 \pm 0.3	Green Piece
				260 \pm 5	180 \pm 5	235 \pm 25	13.0 \pm 0.8	Calendering
BMXF-4D3	SrFe12O19	1.20 \pm 0.15	\leq 0.5	155 \pm 5	110 \pm 5	277 \pm 12	4.5 \pm 0.3	Green Piece
				257 \pm 5	183 \pm 5	257 \pm 25	12.8 \pm 0.8	Calendering

Magnetic Recording Powder

BMXF-5 is for the preparation magnetic cards having been widely used in various fields such as, magnetic stripe-type credit cards, railroad tickets, season tickets, highway passes, telephone cards and prepaid railway cards. The ferrite plate-like particles having characteristics of appropriate coercive force, narrow particle size distribution and excellent temperature stability.



P/N	Material	Magnetic Properties				APD
		Br	Hcb	Hcj	(BH)max	(μm)
		mT	KA/m	KA/m	KJ/m ³	g/cm ³
BMXF-5	BaFe12O19	145±5	103±5	229±12	3.8±0.3	0.95±0.1
BMXF-5C	BaFe12O19	145±5	107±5	292±6	3.5±0.2	0.95±0.1

Ferrite Compound

Our Ferrite Compounds are complex materials which are bonded magnetic materials with thermoplastic resin. Ferrite powder is blended with thermoplastic resin (such as nylon), antioxidants, plasticizers, and other ingredients. Continuous flow compounders are used for intensely mixing the ingredients to form “compound”. The compound is chopped into small granules ready for molding. BGRIMM-MAGMAT ferrite compounds guarantee high magnetic properties and increased tensile strength, provide you excellent cost performance.

◆ Application

- Magnetic stators for fractional horsepower DC motors.
- Multi-pole magnetic rotors for brushless DC and stepped motors.
- Magnetic rolls for laser printers.
- Magnetic actuators for a diverse range of magnetic switches and solenoids.
- Sensors for automotive and industrial applications.



P/N	Material	Magnetic Properties				Density	MFR (270°C/10kg)	Tensile Strength
		Br	Hcb	Hcj	(BH)max			
		mT	KA/m	KA/m	KJ/m ³	g/cm ³	g/10min	MPa
SC-4-0.9C	SrFe+PA6	170±10	130±10	250±20	5.5±0.5	2.75±0.05	200-300	≥60
SC-4-0.9	SrFe+PA6	185±10	145±15	230±20	7.0±0.5	2.85±0.05	200-300	≥60
SC-4-1.0D	SrFe+PA6	220±10	165±10	245±15	9.0±0.5	3.00±0.05	150-250	≥60
SC-4-1.2D	SrFe+PA6	244±10	180±10	250±15	11.5±0.5	3.25±0.05	150-250	≥60
SC-8-1.5	SrFe+PA6	255±10	180±10	245±15	12.1±0.5	3.30±0.05	150-300	≥60
ZH2SB-144	SrFe+PA6	255±10	170±15	220±20	12.5±0.5	3.35±0.05	150-250	≥60
SC-3-1.6	SrFe+PA6	263±10	185±10	225±15	13.5±0.5	3.39±0.05	200-300	≥50
ZHPA6-1117	SrFe+PA6	270±10	190±10	230±20	14.2±0.5	3.42±0.05	250-350	≥50
SC-18-1.9D-J	SrFe+PA6	270±10	190±10	220±20	14.5±0.5	3.45±0.05	200-300	≥50
SC-18-1.9D-D	SrFe+PA6	270±10	190±10	220±20	14.5±0.5	3.45±0.05	300-450	≥50
SC-17-1.9D	SrFe+PA6	275±10	190±10	230±20	15.0±0.5	3.50±0.05	200-350	≥50
SC-26-1120	SrFe+PA6	285±10	195±15	225±30	16.0±0.8	3.54±0.05	50-100	≥50
SC-5H-2.0	SrFe+PA6	286±5	195±10	230±10	16.1±0.4	3.55±0.03	200-300	≥50
SC-14-2.1B	SrFe+PA6	291±5	200±10	240±15	16.5±0.5	3.62±0.03	200-300	≥50
SC-14-2.1AL	SrFe+PA6	295±5	190±10	220±20	17.0±0.5	3.64±0.05	70-170	≥50
SC-14-2.1A	SrFe+PA6	295±5	190±10	220±20	17.0±0.5	3.64±0.05	260-360	≥50
SC-29-2.2D	SrFe+PA6	300±5	185±15	220±20	18.0±0.5	3.80±0.03	50-100	≥50
SC-29-2.2C	SrFe+PA6	300±5	185±15	220±20	18.0±0.5	3.80±0.03	100-200	≥45
SC-2	SrFe+PA12	270±10	195±10	230±10	14.0±0.5	3.40±0.05	50-150	≥50
ZHPA12-203	SrFe+PA12	285±5	195±15	240±20	16.5±0.5	3.60±0.05	50-100	≥45
SC-PPS-1.5L	SrFe+PPS	250±10	180±10	240±20	12.0±0.5	3.50±0.05	50-100(300°C)	≥45
SC-PPS-1.5	SrFe+PPS	250±10	180±10	240±20	12.0±0.5	3.50±0.05	150-200(300°C)	≥40
NdFeB-PPS	NdFeB+PPS	470±10	320±10	710±20	38±3	4.60±0.05	25-75(300°C)	≥40
NdFeB-35	NdFeB+PA12	495±10	320±10	690±20	40±3	4.94±0.1	400-500	≥40