

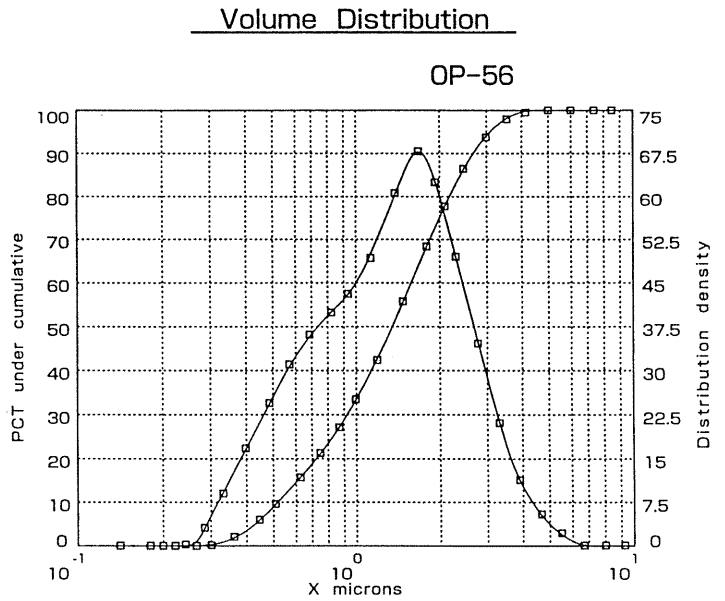
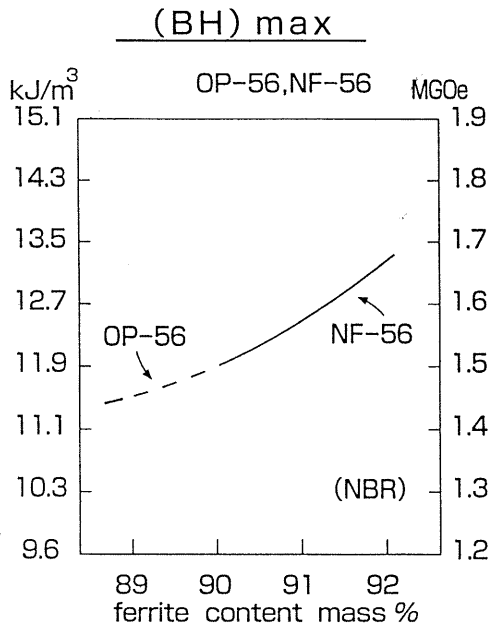
ANISOTROPIC FERRITE POWDER FOR BONDED MAGNETS

1. Mechanical Orientation Powder

Element	Descriptions	Powder's Properties		Magnetic Properties - Compress Molded			
		Average Particle Diameter (APD)	Compressed Density (CD)	Residual Induction (Br)	Coercive Force (HcB)	Intrinsic Coercive Force (HcJ)	Maximum Energy Product ((BH)max)
	Unit SI cgs Products	μm —	g/cm^3 —	mT (G)	kA/m (Oe)	kA/m (Oe)	kJ/m^3 (MGOe)
Sr-Ferrite	OP-56	1.05 ± 0.15 —	3.1 ± 0.1 —	190 ± 7 (1900 ± 70)	130 ± 8 (1630 ± 100)	255 ± 16 (3200 ± 200)	$5.6 \cong$ ($0.7 \cong$)
	NF-56	1.05 ± 0.15 —	3.2 ± 0.1 —	190 ± 7 (1900 ± 70)	131 ± 8 (1650 ± 100)	259 ± 16 (3250 ± 200)	$5.6 \cong$ ($0.7 \cong$)

APPLICATION

Products	Molding Method	Binder	Ferrite Content	Magnetic Properties - Roll Molded			
				Residual Induction (Br)	Coercive Force (HcB)	Intrinsic Coercive Force (HcJ)	Maximum Energy Product ((BH)max)
			Mass %	mT (G)	kA/m (Oe)	kA/m (Oe)	kJ/m^3 (MGOe)
OP-56	Rolling □-ル成形	NBR, CPE	87~90	$240 \cong$ ($2400 \cong$)	$171 \cong$ ($2150 \cong$)	$199 \cong$ ($2500 \cong$)	$10.4 \cong$ ($1.3 \cong$)
NF-56	Rolling □-ル成形	NBR, CPE	89~92	$250 \cong$ ($2500 \cong$)	$175 \cong$ ($2200 \cong$)	$230 \cong$ ($2900 \cong$)	$11.5 \cong$ ($1.45 \cong$)



ANISOTROPIC FERRITE POWDER FOR BONDED MAGNETS

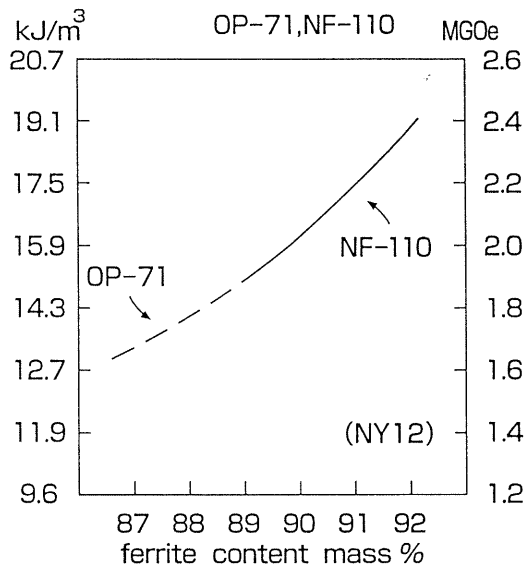
2. Magnetic Orientation Powder

Element	Descriptions	Powder's Properties		Magnetic Properties - Compress Molded			
		Average Particle Diameter (APD)	Compressed Density (CD)	Residual Induction (Br)	Coercive Force (HcB)	Intrinsic Coercive Force (HcJ)	Maximum Energy Product ((BH)max)
	Unit SI CGS Products	μm —	g/cm^3 —	mT (G)	kA/m (Oe)	kA/m (Oe)	kJ/m^3 (MGOe)
Sr-Ferrite	OP-71	1.25 ± 0.15 —	3.35 ± 0.1 —	195 ± 7 (1950 ± 70)	123.4 ± 4 (1550 ± 50)	203.0 ± 12 (2550 ± 150)	$6.0 \leq$ ($0.75 \leq$)
	NP-120	1.25 ± 0.15 —	3.35 ± 0.1 —	195 ± 7 (1950 ± 70)	123.4 ± 4 (1550 ± 50)	215.0 ± 8 (2700 ± 100)	$6.0 \leq$ ($0.75 \leq$)
	NF-110	1.40 ± 0.15 —	3.40 ± 0.1 —	197 ± 7 (1970 ± 70)	123.4 ± 4 (1550 ± 50)	203.0 ± 12 (2550 ± 150)	$6.0 \leq$ ($0.75 \leq$)

APPLICATION

Products	Molding Method	Binder	Ferrite Content	Magnetic Properties - Injection Molded			
				Residual Induction (Br)	Coercive Force (HcB)	Intrinsic Coercive Force (HcJ)	Maximum Energy Product ((BH)max)
			Mass %	mT (G)	kA/m (Oe)	kA/m (Oe)	kJ/m^3 (MGOe)
OP-71	Injection	Ny-6, Ny-12	87~90	$260 \leq$ ($2600 \leq$)	$159 \leq$ ($2000 \leq$)	$199 \leq$ ($2500 \leq$)	$12.7 \leq$ ($1.6 \leq$)
NF-110	Injection	Ny-6, Ny-12	89~92	$280 \leq$ ($2800 \leq$)	$167 \leq$ ($2100 \leq$)	$199 \leq$ ($2500 \leq$)	$14.3 \leq$ ($1.8 \leq$)

(BH) max



Volume Distribution

