

FeCrCo Magnet

Fe-Cr-Co magnets, a new type has come into the world in the 1970's. These magnets' properties are comparable to those of cast Al-Ni-Co magnets, and with a good ductility in the as-quenched state. These magnets are specially suitable for making the small and thin elements with the accurate dimensions and complicated shapes. Application: Fe-Cr-Co magnets may be used in telephone, tachometer, micro-motor, nautical instrument, loudspeaker, micro-rely-switch, etc.



Ductile FeCrCo Alloy of Permanent Magnet

Designation	Shape	Size (mm)	State	Application
FeCrCo Machinable permanent magnetic alloy	Bar	Φ8,12,14~Φ60	forging, hot-rolling	Space, aviation, automobile instrument, compass, oil exploration, hydraulic locate gauge, computer-embroider machine, signal produce system, guard against theft, relay counter, hearing aid, magnetic medical treatment.
	Wire	Φ7~Φ0.1	soft, hard	
	Tube	Φ30×(10~1) Φ1×(0.4~0.1)	soft, hard	
	Strip	(4.0~0.05) ×100	Soft, hard	

Properties of FeCrCo magnets

Designation\Properties	Magnetic Properties		
	Br(Gs)	Hc(Oe)	(BH)m(MGOe)
2J84	≥12000	≥650	4.0~5.0
2J85	3000-14500	50~550	0.8~6.0

Designation\Properties	Curie temperature	Reversible Temperature Coefficient	Max Working Temperature	Mechanical Properties		
	T _c °C	-%T°C	T _{max} °C	6bk _g /mm ²	ψ%	P _g /cm ³
2J84	658	0.0129	400	55-75	40-70	7.8
2J85	671	0.0129				

We research and manufacture FeCrCo machinable permanent magnetic alloy that won a gold medal in the 13th international invention exhibition, Geneva. We have leading manufacturing technology in the world. FeCrCo machinable permanent. It has the similar properties with AlNiCo5. It can be made into semi-hard magnetic alloy. The alloy can be produced into different shapes and sizes such as wire, tube, bar, strip, etc.