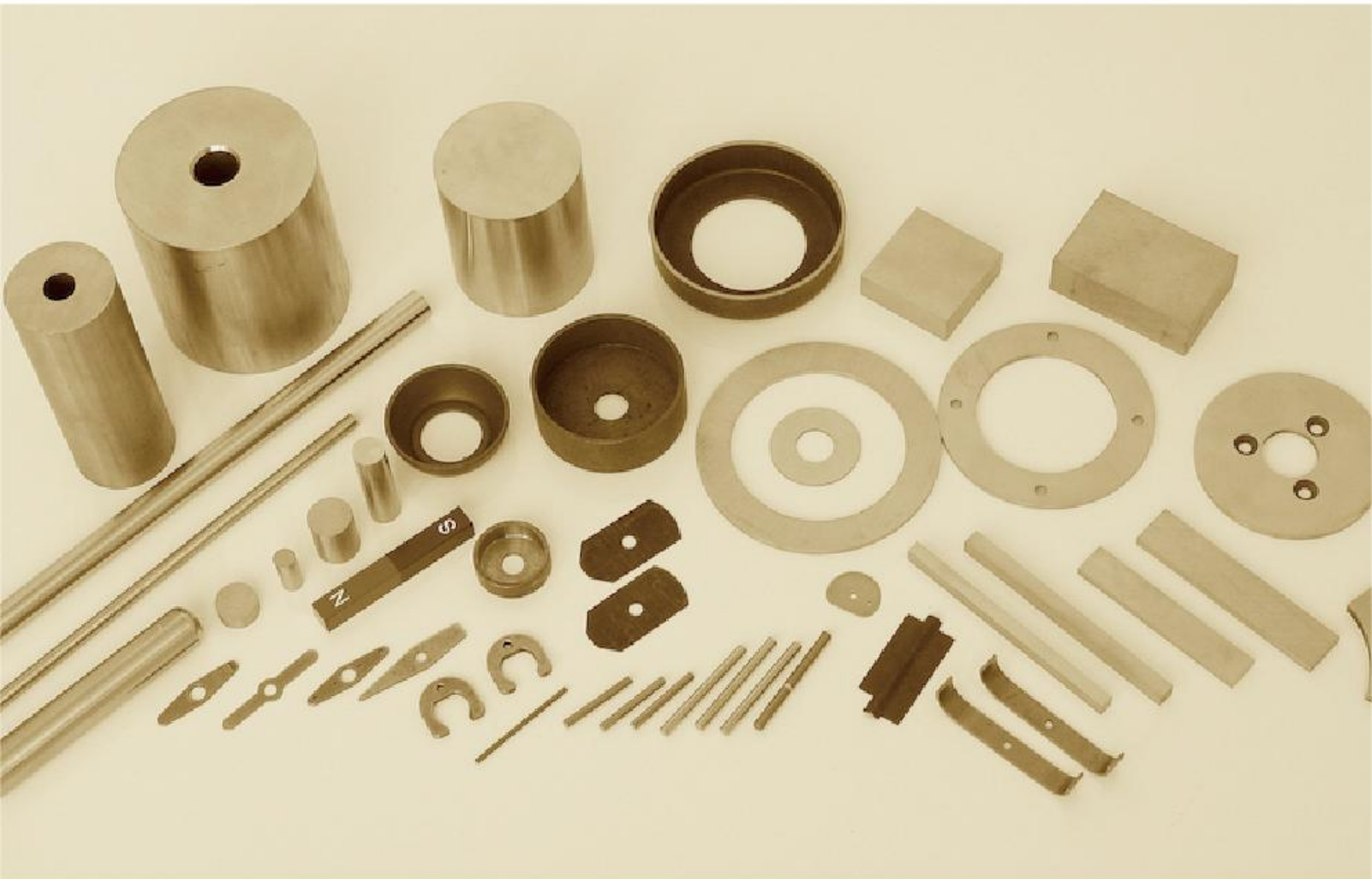


FeCrCo

Ferrum Chromium Cobalt

FeCrCo magnets were developed in the 1970's. The FeCrCo permanent magnet alloy is known for its ductility and machinability. Prior to the final heat treatment, this low Cobalt material can be machined as if it was soft steel. It can be bent and heat-treated as a horseshoe magnet. The simplified processes of manufacturing and magnetization along with its high working temperature and significantly reduced Cobalt content enable it to outshine other permanent magnets.



Magnetic Properties of FeCrCo Magnets

Grade	Remanence duction		Coercive force		Intrinsic Coercive force		Maximum Energy product		Working Temperature	Density	Remark
	Br		Hcb		Hcj		(BH)max		Tw	ρ	
	T	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe	°C	g/cm ³	
FeCrCo10/3	0.82	8.2	27	0.34	29	0.36	10	1.25	≤400	7.6	Isotropic
FeCrCo12/4	0.80	8.0	40	0.50	42	0.53	12	1.5	≤400	7.6	
FeCrCo16/2	1.30	13.0	20	0.25	22	0.275	16	2.0	≤400	7.6	Anisotropic
FeCrCo28/5	1.00	10.0	45	0.57	46	0.58	28	3.5	≤400	7.6	
FeCrCo30/4	1.15	11.5	40	0.50	41	0.51	30	3.8	≤400	7.6	
FeCrCo35/5	1.05	10.5	50	0.63	51	0.64	35	4.4	≤400	7.6	
FeCrCo36/5	1.20	12.0	52	0.66	54	0.68	36	4.5	≤400	7.8	
FeCrCo44/4	1.30	13.0	44	0.56	45	0.57	44	5.5	≤400	7.7	
FeCrCo52/5	1.35	13.5	48	0.60	49	0.62	52	6.5	≤400	7.7	

1. The above-mentioned data of magnetic parameters and physical properties are given at room temperature.
2. The above values also have relationship to products shapes and dimensions. It is recommended that the final test data to be fixed on actual products.
3. For other special magnetic parameters, please contact us, and we can make them to your specifications.