

Magnetic Properties of Fe-Cr-Co Magnets

Grade	Max. Energy Product		Residual Induction		Coercive Force		Intrinsic Coercive Force		D	Br	Remarks
	(BH)max		Br		Hcb		Hcj				
	kJ/m ³	MGOe	mT	KGs	kA/m	KOe	kA/m	KOe	g/cm ³	%K	
FeCrCo4/1	4-8	0.5-1.0	800-1000	8.5-10	8-31	0.10-0.40	9-32	0.11-0.4	7.7	-0.03	Isotropic
FeCrCo10/3	10-13	1.1-1.6	800-900	8.0-9.0	31-90	0.40-0.48	32-40	0.41-0.49	7.7	-0.03	
FeCrCo12/4	12-18	1.5-2.2	750-850	7.5-8.5	40-46	0.50-0.58	41-47	0.51-0.59	7.7	-0.02	
FeCrCo12/5	12-16	1.5-2.0	700-800	7.0-8.0	42-48	0.53-0.60	43-49	0.54-0.61	7.7	-0.02	
FeCrCo1/1	1-9	0.1-1.1	900-1300	9-13	2-8	0.025-0.1	2-8	0.025-0.1	7.7	-0.03	Anisotropic
FeCrCo12/2	12-36	1.5-4.5	1300-1450	13-14.5	12-40	0.15-0.5	13-41	0.16-0.51	7.7	-0.03	
FeCrCo24/6	24-30	3.0-3.8	900-1100	9.9-11	56-66	0.70-0.83	57-67	0.71-0.84	7.7	-0.02	
FeCrCo28/5	28-36	3.5-4.5	1100-1250	11-12.5	49-58	0.61-0.73	50-59	0.62-0.74	7.7	-0.02	
FeCrCo44/4	44-52	5.5-6.5	1300-1450	13-14.5	44-51	0.56-0.64	45-52	0.57-0.64	7.7	-0.03	
FeCrCo48/5	48-55	6.0-6.9	1320-1450	13.2-14.5	48-53	0.6-0.67	49-54	0.61-0.68	7.7	-0.03	