

FeCrCo Magnetic Property Table

牌号 Grade	剩磁 Br Residual Induction		矫顽力 Hcb Coercive Force		内禀矫顽力 Hcj Intrinsic Coercive Force		最大磁能积 (BH)max Maximum Energy Product		密度 D Density	备注 Remark
	kGs	mT	kA/m	Oe	kA/m	Oe	KJ/m ³	MGOe	g/cm ³	
FeCrCo10/3	8.2	820	27	340	29	360	10	1.25	7.6	Isotropic
FeCrCo12/4	8	800	40	500	42	530	12	1.5	7.6	
FeCrCo28/5	10	1000	45	570	46	580	28	3.5	7.6	Anisotropic
FeCrCo30/4	11.5	1150	40	500	41	510	30	3.8	7.6	
FeCrCo35/5	10.5	1050	50	630	51	640	35	4.4	7.6	
FeCrCo36/5	12	1200	52	660	54	680	36	4.5	7.8	
FeCrCo44/4	13	1300	44	560	45	570	44	5.5	7.7	
FeCrCo52/5	13.5	1350	48	600	49	620	52	6.5	7.7	

MMPA FeCrCo Magnetic Property Table

牌号 Grade	剩磁 Br Residual Induction		矫顽力 Hcb Coercive Force		最大磁能积 (BH)max Maximum Energy Product		密度 D Density	剩磁温度系数 α Br Temperature Coefficient	最大工作温度 Tw Maximum Working Temperature	居里温度 Tc Curie Temperature	备注 Remark
	kGs	mT	kA/m	Oe	KJ/m ³	MGOe	g/cm ³	%K	Tw	Tc	
FeCrCo1	8.8	880	37	460	12.7	1.6	7.7	0.036	500	640	Isotropic
FeCrCo2	9.9	990	28	350	12.7	1.6	7.7	0.036	500	640	
FeCrCo	10.5	1050	16	200	8	1	7.7	0.036	500	640	
FeCrCo1	9	900	39	490	13	1.63	7.7	0.036	500	640	
FeCrCo5	13.5	1350	48	600	41.8	5.25	7.7	0.036	500	640	Anisotropic
FeCrCo250	14	1400	20	250	15.9	2	7.7	0.036	500	640	
FeCrCo640	12	1200	51	641	35	4.4	7.7	0.036	500	640	

*Composition is 15 to 35 weight percent Chromium, 5 to 20 Cobalt, balance iron with minor amounts of other elements present.