



# Iron Chrome Cobalt



## Magnetic Characteristics

Grade	Br	Br	Br	Hcb	Hcb	Hcb	Hcj	Hcj	Bhmax	Bhmax
	mT	KGs	Gauss	KA/m	KOe	Oersteds	KOe	KA/m	KJ/m <sup>3</sup>	MGOe
<a href="#">FeCrCo10/3</a>	820	8.2	8200	27	0.34	340	0.36	29	10	1.25
<a href="#">FeCrCo12/4</a>	800	8.0	8000	40	0.50	500	0.53	42	12	1.5
<a href="#">FeCrCo28/5</a>	1000	10.0	10000	45	0.57	570	0.58	46	28	3.5
<a href="#">FeCrCo30/4</a>	1150	11.5	11500	40	0.50	500	0.51	41	30	3.8
<a href="#">FeCrCo35/5</a>	1050	10.5	10500	50	0.63	630	0.64	51	35	4.4



Grade	Br	Br	Br	Hcb	Hcb	Hcb	Hcj	Hcj	Bhmax	Bhmax
	mT	KGs	Gauss	KA/m	KOe	Oersteds	KOe	KA/m	KJ/m <sup>3</sup>	MGOe
<a href="#">FeCrCo36/5</a>	1200	12.0	12000	52	0.66	660	0.68	54	36	4.5
<a href="#">FeCrCo44/4</a>	1300	13.0	13000	44	0.56	560	0.57	45	44	5.5
<a href="#">FeCrCo52/5</a>	1350	13.5	13500	48	0.60	600	0.62	49	52	6.5

## Thermal Characteristics

Grade	Max Operating Temp	Rev Temp Coeff	Rev Temp Coeff
	°C	%/°C	Br (TC a(Br) %/°C)
<a href="#">FeCrCo10/3</a>	400	-0.02	-0.02
<a href="#">FeCrCo12/4</a>	400	-0.02	-0.02
<a href="#">FeCrCo28/5</a>	400	-0.02	-0.02
<a href="#">FeCrCo30/4</a>	400	-0.02	-0.02
<a href="#">FeCrCo35/5</a>	400	-0.02	-0.02
<a href="#">FeCrCo36/5</a>	400	-0.02	-0.02
<a href="#">FeCrCo44/4</a>	400	-0.02	-0.02
<a href="#">FeCrCo52/5</a>	400	-0.02	-0.02

## Mechanical/Physical Characteristics



Grade	Density
	<b>g/cm<sup>3</sup></b>
<a href="#">FeCrCo10/3</a>	7.6
<a href="#">FeCrCo12/4</a>	7.6
<a href="#">FeCrCo28/5</a>	7.6
<a href="#">FeCrCo30/4</a>	7.6
<a href="#">FeCrCo35/5</a>	7.6
<a href="#">FeCrCo36/5</a>	7.8
<a href="#">FeCrCo44/4</a>	7.7
<a href="#">FeCrCo52/5</a>	7.7

