

SmCo 1:5 Magnetic Property Table

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				居里温度 Tc Curie Temperature	工作温度 Tw Working Temperature	剩磁温度系数 α Br Temperature Coefficient	剩磁温度系数 β Hcj Temperature Coefficient	Grade Equivalence
	T		kGs		kA/m	kOe	kA/m	kOe	kJ/m ³		MGOe		°C	°C	%/°C	%/°C	
	Typ.	min	Typ.	min	min	min	min	min	Typ.	min	Typ.	min	Typ.	max	Typ.	Typ.	
SmCo16	0.83	0.81	8.3	8.1	620	7.8	1194	15	127	111	16	14	750	250	-0.04	-0.3	YX-16, XG16
SmCo18	0.87	0.84	8.7	8.4	645	8.1	1194	15	143	127	18	16	750	250	-0.04	-0.3	YX-18, REC18, H-18B, XG18
SmCo20	0.92	0.89	9.2	8.9	680	8.5	1194	15	159	143	20	18	750	250	-0.04	-0.3	YX-20, XG20
SmCo20H	0.92	0.89	9.2	8.9	680	8.5	1592	20	159	143	20	18	750	250	-0.04	-0.3	YX-20H, H-18C, XG20H
SmCo22	0.95	0.93	9.5	9.3	710	8.9	1194	15	175	159	22	20	750	250	-0.04	-0.3	YX-22, REC22, H-22A, XG22
SmCo22H	0.92	0.89	9.2	8.9	710	8.9	1592	20	175	159	22	20	750	250	-0.04	-0.3	YX-22H, XG22H
SmCo24	0.98	0.96	9.8	9.6	730	9.2	1194	15	191	175	24	22	750	250	-0.04	-0.3	YX-24

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