

MAGNETIC PROPERTIES OF SINTERED SMCO													
Material	Grade	Br		Hcb		Hcj		(BH)max		TC	TW	(Br)	Hcj
		T	KGS	KA/m	KOe	KA/m	KOe	KJ/M3	MGOe	°C	°C	%°C	%°C
SmCo5(Smpr)co5	YX-16	0.81-0.85	8.1-8.5	620-660	7.8-8.3	1194-1830	15-23	110-127	14-16	750	250	-0.050	-0.30
	YX-18	0.85-0.90	8.5-9.0	660-700	8.3-8.8	1194-1830	15-23	127-143	16-18	750	250		-0.30
	YX-20	0.90-0.94	9.0-9.4	676-725	8.5-9.1	1194-1830	15-23	150-167	19-21	750	250		-0.30
	YX-22	0.92-0.96	9.2-9.6	710-748	8.9-9.4	1194-1830	15-23	160-175	20-22	750	250		-0.30
	YX-24	0.96-1.00	9.6-10	730-770	9.2-9.7	1194-1830	15-23	175-190	22-24	750	250		-0.30
SmCo5	YX-16s	0.79-0.84	7.9-8.4	612-660	7.7-8.3	≥1830	≥23	118-135	15-17	750	250	-0.035	-0.28
	YX-18s	0.84-0.89	8.4-8.9	644-692	8.1-8.7	≥1830	≥23	135-151	17-19	750	250	-0.040	-0.28
	YX-20s	0.89-0.93	8.9-9.3	684-732	8.6-9.2	≥1830	≥23	150-167	19-21	750	250	-0.045	-0.28
	YX-22s	0.92-0.96	9.2-9.6	710-756	8.9-9.5	≥1830	≥23	167-183	21-23	750	250		-0.28
	YX-24s	0.96-1.00	9.6-10	740-788	9.3-9.9	≥1830	≥23	183-199	23-25	750	250		-0.28
SmGd)Co5	LTC(YX-10)	0.62-0.66	6.2-6.6	485-517	6.1-6.5	≥1830	≥23	75-88	9.5-11	750	300	Temp range	Br%°C
												20-100°C	+0.0156%°C
												100-200°C	+0.0087%°C
												200-300°C	+0.0007%°C
ce(coFecu)5	YX-12	0.70-0.74	7.0-7.4	358-390	4.5-4.9	358-478	4.5-6	80-103	Oct-13	450	200		
Sm2(CoFecuzr)17	YXG-24H	0.95-1.02	9.5-10.2	692-764	8.7-9.6	≥1990	≥25	175-191	22-24	800	350	-0.025	-0.20
	YXG-26H	1.02-1.05	10.2-10.5	748-796	9.4-10.0	≥1990	≥25	191-207	24-26	800	350	-0.030	-0.20
	YXG-28H	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1990	≥25	207-220	26-28	800	350	-0.035	-0.20
	YXG-30H	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1990	≥25	220-240	28-30	800	350		-0.20
	YXG-32H	1.10-1.13	11.0-11.3	812-860	10.2-10.8	≥1990	≥25	230-255	29-32	800	350		-0.20
	YXG-22	0.93-0.97	9.3-9.7	676-740	8.5-9.3	≥1433	≥18	160-183	20-23	800	300	-0.020	-0.20
	YXG-24	0.95-1.02	9.5-10.2	692-764	8.7-9.6	≥1433	≥18	175-191	22-24	800	300	-0.025	-0.20
	YXG-26	1.02-1.05	10.2-10.5	748-796	9.4-10.0	≥1433	≥18	191-207	24-26	800	300	-0.030	-0.20
	YXG-28	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1433	≥18	207-220	26-28	800	300	-0.035	-0.20
	YXG-30	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1433	≥18	220-240	28-30	800	300		-0.20
	YXG-32	1.10-1.13	11.0-11.3	812-860	10.2-10.8	≥1433	≥18	230-255	29-32	800	300		-0.20
	YXG-26M	1.02-1.05	10.2-10.5	676-780	8.5-9.8	955-1433	12-18	191-207	24-26	800	300		-0.20
	YXG-28M	1.03-1.08	10.3-10.8	676-796	8.5-10.0	955-1433	12-18	207-220	26-28	800	300		-0.20
	YXG-30M	1.08-1.10	10.8-11.0	676-835	8.5-10.5	955-1433	12-18	220-240	28-30	800	300		-0.20
	YXG-32M	1.10-1.13	11.0-11.3	676-852	8.5-10.7	955-1433	12-18	230-255	29-32	800	300		-0.20
	YXG-24L	0.95-1.02	9.5-10.2	541-716	6.8-9.0	636-955	8-12	175-191	22-24	800	250	-0.025	-0.20
	YXG-26L	1.02-1.05	10.2-10.5	541-748	6.8-9.4	636-955	8-12	191-207	24-26	800	250	-0.035	-0.20
	YXG-28L	1.03-1.08	10.3-10.8	541-764	6.8-9.6	636-955	8-12	207-220	26-28	800	250		-0.20
	YXG-30L	1.08-1.15	10.8-11.5	541-796	6.8-10.0	636-955	8-12	220-240	28-30	800	250		-0.20
	YXG-32L	1.10-1.15	11.0-11.5	541-812	6.8-10.2	636-955	8-12	230-255	29-32	800	250		-0.20
(SmEr)2(CoTM)17	LTC(YXG-22)	0.94-0.98	9.4-9.8	668-716	8.4-9.0	≥1433	≥18	167-183	21-23	840	300	Temp range	Br%°C
												-50-25°C	+0.005%°C
												20-100°C	-0.008%°C
												100-200°C	-0.008%°C
												200-300°C	-0.011%°C