



Certificate No:00116Q27085R3S/1100

Magnetic Properties of Sintered SmCo



北京美恩信科技有限责任公司

Grade		Remanence Br		Coercive Force bHc		Intrinsic Coercivity iHc		Max. Energy Product (BH)max		Density g/cm ³	Max. working temp. °C	Temp. coefficient of Br %/°C	Temp. coefficient of iHc %/°C	Curie temperature °C
		KGS	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m ³					
SmCo 5	M16	8.1-8.5	0.81-0.85	7.8-8.3	620-660	15-23	1194-1830	14-16	110-127	8.2-8.4	250	-0.05	-0.3	750
	M18	8.5-9.0	0.85-0.90	8.3-8.8	661-700	15-23	1194-1830	16-18	127-143	8.2-8.4	250	-0.05	-0.3	750
	M20	9.0-9.4	0.90-0.94	8.5-9.1	677-724	15-23	1194-1830	19-21	151-167	8.2-8.4	250	-0.05	-0.3	750
	M22	9.2-9.6	0.92-0.96	8.9-9.4	708-748	15-23	1194-1830	20-22	159-175	8.2-8.4	250	-0.05	-0.3	750
	M24	9.6-10.0	0.96-1.00	9.2-9.7	730-772	15-23	1194-1830	22-24	175-191	8.2-8.4	250	-0.05	-0.3	750
	M16S	7.9-8.4	0.79-0.84	7.8-8.3	620-660	≥23	≥1830	15-17	118-135	8.2-8.4	250	-0.035	-0.28	750
	M18S	8.4-8.9	0.84-0.89	8.3-8.8	661-700	≥23	≥1830	17-19	135-151	8.2-8.4	250	-0.04	-0.28	750
	M20S	9.0-9.4	0.90-0.94	8.6-9.2	684-732	≥23	≥1830	19-21	150-167	8.2-8.4	250	-0.045	-0.28	750
	M22S	9.2-9.6	0.92-0.96	8.9-9.5	710-756	≥23	≥1830	21-23	167-183	8.2-8.4	250	-0.045	-0.28	750
M24S	9.6-10	0.96-1	9.3-9.9	740-788	≥23	≥1830	23-25	183-199	8.2-8.4	250	-0.045	-0.28	750	
Sm2C o17	MG22	9.3-9.7	0.93-0.97	8.5-9.3	676-740	≥18	≥1433	20-23	160-183	8.3-8.5	300	-0.030	-0.2	800
	MG24	9.5-10.2	0.95-1.02	8.7-9.6	693-764	≥18	≥1433	22-24	175-191	8.3-8.5	300	-0.035	-0.2	800
	MG26	10.2-10.5	1.02-1.05	9.4-10.0	748-796	≥18	≥1433	24-26	191-207	8.3-8.5	300	-0.035	-0.2	800
	MG28	10.3-10.8	1.03-1.08	9.5-10.2	756-812	≥18	≥1433	26-28	207-223	8.3-8.5	300	-0.035	-0.2	800
	MG30	10.8-11.0	1.08-1.10	10.2-10.8	788-836	≥18	≥1433	28-30	223-239	8.3-8.5	300	-0.035	-0.2	800
	MG32	11.0-11.3	1.10-1.13	9.9-10.5	812-860	≥18	≥1433	29-32	230-255	8.3-8.5	300	-0.035	-0.2	800
MG33	11.2-11.6	1.12-1.16	10.6-11.2	845-890	≥18	≥1433	30-33	240-260	8.3-8.5	300	-0.035	-0.2	800	



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	KGS	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m ³	g/cm ³	°C	%/°C	%/°C	°C	
Sm2Co17	MG24H	9.5-10.2	0.95-1.02	8.7-9.4	693 -748	≥25	≥1990	22-24	175-191	8.3-8.5	350	-0.025	-0.2	800
	MG26H	10.2-10.5	1.02-1.05	9.4-9.8	748-780	≥25	≥1990	24-26	191-207	8.3-8.5	350	-0.03	-0.2	800
	MG28H	10.3-10.8	1.03-1.08	9.5-10.0	756 -796	≥25	≥1990	26 -28	207-223	8.3-8.5	350	-0.035	-0.2	800
	MG30H	10.8-11.0	1.08-1.10	9.9-10.5	788-836	≥25	≥1990	28-30	223 -239	8.3-8.5	350	-0.035	-0.2	800
	MG32H	11.0-11.3	1.10-1.13	10.2-10.8	812-860	≥25	≥1990	29-32	230-255	8.3-8.5	350	-0.035	-0.2	800
	MG33H	11.2-11.6	1.12-1.16	10.6-11.2	845-890	≥25	≥1990	30-33	240-260	8.3-8.5	350	-0.035	-0.2	800
	MG26M	10.2-10.5	1.02-1.05	8.5-9.8	676-780	12-18	955-1433	24-26	191-207	8.3-8.5	300	-0.035	-0.2	800
	MG28M	10.3-10.8	1.03-1.08	8.5-10.0	676-796	12-18	955-1433	26 -28	207-223	8.3-8.5	300	-0.035	-0.2	800
	MG30M	10.8-11.0	1.08-1.10	8.5-10.5	676-835	12-18	955-1433	28-30	223 -239	8.3-8.5	300	-0.035	-0.2	800
	MG32M	11.0-11.3	1.10-1.13	8.5-10.7	676-852	12-18	955-1433	29-32	230-255	8.3-8.5	300	-0.035	-0.2	800
	MG24L	9.5-10.2	0.95-1.02	6.8-9.0	541-716	8-12	636-955	22-24	175-191	8.3-8.5	250	-0.035	-0.2	800
	MG26L	10.2-10.5	1.02-1.05	6.8-9.4	541-748	8-12	636-955	24-26	191-207	8.3-8.5	250	-0.035	-0.2	800
	MG28L	10.3-10.8	1.03-1.08	6.8-9.6	541-764	8-12	636-955	26 -28	207-223	8.3-8.5	250	-0.035	-0.2	800
	MG30L	10.8-11.5	1.08-1.15	6.8-10.0	541-796	8-12	636-955	28-30	223 -239	8.3-8.5	250	-0.035	-0.2	800
MG32L	11.0-11.5	1.10-1.15	6.8-10.2	541-812	8-12	636-955	29-32	230-255	8.3-8.5	250	-0.035	-0.2	800	

The above-mentioned data of magnetic parameters and physical properties are given at room temperature.
 The maximum temperature of magnet is changeable due to ratio length and diameter and environmental factors.