



Typical Magnetic Performance of Sintered SmCo Magnet at Room Temperature

Material Item	Grade	Remanence		Coercivity				Energy Density		Curie Temperature	Operating Temperature	Temperature Coefficient		Density
		B _r		H _{cj}		H _{cb}		(BH) _{max}		TC	T _w Max	Tk(Br)	Tk(Hcj)	ρ
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe	° C	° C	%/°C	%/°C	g/cm ³
Sm ₁ Co ₅	Sm ₁ Co ₅ -18	0.85-0.9	8.5-9.0	≥1830	≥23	660-700	8.3-8.8	127-143	16-18	750	≤250	-0.05	-0.25	8.3
	Sm ₁ Co ₅ -20	0.89-0.93	8.9-9.3	≥1830	≥23	684-732	8.6-9.2	151-167	19-21	750	≤250	-0.05	-0.25	8.3
	Sm ₁ Co ₅ -22	0.92-0.96	9.2-9.6	≥1830	≥23	710-756	8.9-9.5	159-175	20-22	750	≤250	-0.05	-0.25	8.3
	Sm ₁ Co ₅ -24	0.96-1.00	9.6-10.0	≥1830	≥23	740-788	9.3-9.9	175-191	22-24	750	≤250	-0.05	-0.25	8.3
Sm ₂ Co ₁₇	Sm ₂ Co ₁₇ -24L	0.95-1.02	9.5-10.2	636-955	8-12	541-716	6.8-9.0	175-191	22-24	800	≤250	-0.025	-0.2	8.4
	Sm ₂ Co ₁₇ -26L	1.02-1.05	10.2-10.5	636-955	8-12	541-748	6.8-9.4	191-207	24-26	800	≤250	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -28L	1.03-1.08	10.3-10.8	636-955	8-12	541-764	6.8-9.6	207-220	26-28	800	≤250	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -30L	1.08-1.15	10.8-11.0	636-955	8-12	541-796	6.8-10.0	220-240	28-30	800	≤250	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -32L	1.10-1.15	11.0-11.5	636-955	8-12	541-812	6.8-10.2	230-255	29-32	800	≤250	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -26M	1.02-1.05	10.2-10.5	955-1433	12-18	676-780	8.5-9.8	191-207	24-26	800	≤300	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -28M	1.03-1.08	10.3-10.8	955-1433	12-18	676-796	8.5-10.0	207-220	26-28	800	≤300	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -30M	1.08-1.10	10.8-11.0	955-1433	12-18	676-835	8.5-10.5	220-240	28-30	800	≤300	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -32M	1.10-1.15	11.0-11.5	955-1433	12-18	676-852	8.5-10.7	231-255	29-32	800	≤300	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -24	0.95-1.02	9.5-10.2	≥1433	≥18	692-764	8.7-9.6	175-191	22-24	800	≤300	-0.025	-0.23	8.4
	Sm ₂ Co ₁₇ -26	1.02-1.05	10.2-10.5	≥1433	≥18	748-796	9.4-10.0	191-207	24-26	800	≤300	-0.03	-0.2	8.4
	Sm ₂ Co ₁₇ -28	1.03-1.08	10.3-10.8	≥1433	≥18	756-812	9.5-10.2	207-220	26-28	800	≤300	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -30	1.08-1.10	10.8-11.0	≥1433	≥18	788-835	9.9-10.5	220-240	28-30	800	≤300	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -32	1.10-1.15	11.0-11.5	≥1433	≥18	812-860	10.2-10.8	231-255	29-32	800	≤300	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -24H	0.95-1.02	9.5-10.2	≥1990	≥25	692-794	8.7-9.6	175-191	22-24	800	≤350	-0.025	-0.2	8.4
	Sm ₂ Co ₁₇ -26H	1.02-1.05	10.2-10.5	≥1990	≥25	748-796	9.4-10.0	191-207	24-26	800	≤350	-0.03	-0.2	8.4
	Sm ₂ Co ₁₇ -28H	1.03-1.08	10.3-10.8	≥1990	≥25	756-812	9.5-10.2	207-220	26-28	800	≤350	-0.035	-0.2	8.4
	Sm ₂ Co ₁₇ -30H	1.08-1.10	10.8-11.0	≥1990	≥25	788-835	9.9-10.5	220-240	28-30	800	≤350	-0.035	-0.2	8.4
Sm ₂ Co ₁₇ -32H	1.10-1.15	11.0-11.5	≥1990	≥25	812-860	10.2-10.8	231-255	29-32	800	≤350	-0.035	-0.2	8.4	