Typical Magnetic Properties of Sintered SmCo Magnets

Item	Grade	Remanence		Coercivity				Max Energy Product		Max Working Temperature
		B_r		H_{cB}		H_{cJ}		$(BH)_{max}$		T_wMax
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	° C
Sm1Co5	Sm_1Co_5-20	0.89-0.93	8.9-9.3	684-732	8.6-9.2	≥1830	≥23	151-167	19-21	≤250
	Sm_1Co_5-22	0.92-0.96	9.2-9.6	710-756	8.9-9.5	≥1830	≥23	159-175	20-22	≤250
	Sm_1Co_5-24	0.96-1.00	9.6-10.0	740-788	9.3-9.9	≥1830	≥23	175-191	22-24	≤250
Sm2Co17	Sm_2Co_{17}-30L	1.08-1.10	10.8-11.0	541-796	6.8-10.0	636-955	8-12	223-239	28-30	≤250
	Sm_2Co_{17}-32L	1.10-1.15	11.0-11.5	541-812	6.8-10.2	636-955	8-12	231-255	29-32	≤250
	Sm_2Co_{17}-30M	1.08-1.10	10.8-11.0	676-835	8.5-10.5	955-1433	12-18	223-239	28-30	≤300
	Sm_2Co_{17}-32M	1.10-1.15	11.0-11.5	676-852	8.5-10.7	955-1433	12-18	231-255	29-32	≤300
	Sm_2Co_{17}-28	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1433	≥18	207-223	26-28	≤300
	Sm_2Co_{17}-30	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1433	≥18	223-239	28-30	≤300
	Sm_2Co_{17}-32	1.10-1.15	11.0-11.5	812-860	10.2-10.8	≥1433	≥18	231-255	29-32	≤300
	Sm_2Co_{17}-28H	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1990	≥25	207-223	26-28	≤350
	Sm_2Co_{17}-30H	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1990	≥25	223-239	28-30	≤350
	Sm_2Co_{17}-32H	1.10-1.15	11.0-11.5	812-860	10.2-10.8	≥1990	≥25	231-255	29-32	≤350