SDM MAGNETICS

#108, North Shixin Road,
Xiaoshan, Hangzhou, 311200,
Zhejiang, P.R.China
Tel: +86 571 82867702
Fax: +86 571 82867703
E-mail：sales@magnet-sdm.com
www.magnet-sdm.com

Sintered SmCo Magnet

Material	Grade	Residual Induction (Br)		Coercive Force (Hcb)		Intrinsic Coercive Force (Hcj)		Max Energy Product (BH)max		Temp. Coefficient Tk		Max Working Temp.	Curie Temp.
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/℃ (Br)	%/℃ (Hcj)	℃	℃
SmCo5	RECo5-16	0.81-0.85	8.1-8.5	620-660	7.8-8.3	1194-1830	15-23	110-127	14-16	-0.05	-0.30	250	750
	RECo5-18	0.85-0.90	8.5-9.0	660-700	8.3-8.8	1194-1830	15-23	127-143	16-18	-0.05	-0.30	250	750
	RECo5-20	0.90-0.94	9.0-9.4	676-725	8.5-9.1	1194-1830	15-23	150-167	19-21	-0.05	-0.30	250	750
	RECo5-22	0.92-0.96	9.2-9.6	710-748	8.9-9.4	1194-1830	15-23	160-175	20-22	-0.05	-0.30	250	750
	RECo5-24	0.96-1.00	9.6-10.0	730-770	9.2-9.7	1194-1830	15-23	175-190	22-24	-0.05	-0.30	250	750
Sm2Co17	RE2Co17-24H	0.95-1.02	9.5-10.2	692-764	8.7-9.6	≥1990	≥25	175-191	22-24	-0.025	-0.20	350	800
	RE2Co17-26H	1.02-1.05	10.2-10.5	748-796	9.4-10.0	≥1990	≥25	191-207	24-26	-0.03	-0.20	350	800
	RE2Co17-28H	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1990	≥25	207-220	26-28	-0.035	-0.20	350	800
	RE2Co17-30H	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1990	≥25	220-240	28-30	-0.035	-0.20	350	800
	RE2Co17-32H	1.10-1.13	11.0-11.3	812-844	10.2-10.6	≥1990	≥25	230-255	29-32	-0.035	-0.20	350	800
	RE2Co17-22	0.93-0.97	9.3-9.7	676-740	8.5-9.3	≥1433	≥18	160-183	20-23	-0.02	-0.20	300	800
	RE2Co17-24	0.95-1.02	9.5-10.2	692-764	8.7-9.6	≥1433	≥18	175-191	22-24	-0.025	-0.20	300	800
	RE2Co17-26	1.02-1.05	10.2-10.5	748-796	9.4-10.0	≥1433	≥18	191-207	24-26	-0.03	-0.20	300	800
	RE2Co17-28	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1433	≥18	207-220	26-28	-0.035	-0.20	300	800
	RE2Co17-30	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1433	≥18	220-240	28-30	-0.035	-0.20	300	800
	RE2Co17-32	1.10-1.13	11.0-11.3	812-851	10.2-10.7	≥1433	≥18	230-255	29-32	-0.035	-0.20	300	800
	RE2Co17-26M	1.02-1.05	10.2-10.5	676-780	8.5-9.8	955-1433	12-18	191-207	24-26	-0.035	-0.20	300	800
	RE2Co17-28M	1.03-1.08	10.3-10.8	676-796	8.5-10.0	955-1433	12-18	207-220	26-28	-0.035	-0.20	300	800
	RE2Co17-30M	1.08-1.10	10.8-11.0	676-835	8.5-10.5	955-1433	12-18	220-240	28-30	-0.035	-0.20	300	800
	RE2Co17-32M	1.10-1.13	11.0-11.3	676-844	8.5-10.6	955-1433	12-18	230-255	29-32	-0.035	-0.20	300	800
	RE2Co17-24L	0.95-1.02	9.5-10.2	541-716	6.8-9.0	636-955	8-12	175-191	22-24	-0.025	-0.20	250	800
	RE2Co17-26L	1.02-1.05	10.2-10.5	541-748	6.8-9.4	636-955	8-12	191-207	24-26	-0.035	-0.20	250	800
	RE2Co17-28L	1.03-1.08	10.3-10.8	541-764	6.8-9.6	636-955	8-12	207-220	26-28	-0.035	-0.20	250	800
	RE2Co17-30L	1.08-1.10	10.8-11.0	541-796	6.8-10.0	636-955	8-12	220-240	28-30	-0.035	-0.20	250	800
	RE2Co17-32L	1.10-1.13	11.0-11.3	541-812	6.8-10.2	636-955	8-12	230-255	29-32	-0.035	-0.20	250	800

*The above-mentioned data of magnetic properties and physical properties are given at room temperature.

*The max working temperature of magnet is changeable due to length-diameter ratio, coating thickness and another environment factors.