

Typical Magnetic Properties of SmCo Magnets (钐钴磁铁典型磁性能表)

类别 Item	牌号 Grade	稀土钴永磁 材料GBT 4180-2012	剩磁 Remanence induction		矫顽力 Coercive force		内禀矫顽力 Intrinsic Coercive force		最大磁能积 Maximum Energy product		工作温度 Working Temperat ure	密度 Density
			B <sub>r</sub>		H <sub>cB</sub>		H <sub>cJ</sub>		(BH) <sub>max</sub>		T <sub>w</sub>	ρ
			T	KGs	KA/m	KOe	KA/m	KOe	KJ/m <sup>3</sup>	MGOe	°C	g/cm <sup>3</sup>
Sm <sub>1</sub> Co <sub>5</sub>	Sm <sub>1</sub> Co <sub>5</sub> -16	XG1S 135/96	0.79-0.84	7.9-8.4	620-660	7.8-8.3	≥1830	≥23	118-135	15-17	≤250	8.3
	Sm <sub>1</sub> Co <sub>5</sub> -18	XG1S 143/160	0.84-0.89	8.4-8.9	660-700	8.3-8.8	≥1830	≥23	135-151	17-19	≤250	8.3
	Sm <sub>1</sub> Co <sub>5</sub> -20	XG1S 159/140	0.89-0.93	8.9-9.3	684-732	8.6-9.2	≥1830	≥23	150-167	19-21	≤250	8.3
	Sm <sub>1</sub> Co <sub>5</sub> -22	XG1S 175/140	0.92-0.96	9.2-9.6	710-756	8.9-9.5	≥1830	≥23	167-183	21-23	≤250	8.3
	Sm <sub>1</sub> Co <sub>5</sub> -24	/	0.96-1.00	9.6-10.0	740-788	9.3-9.9	≥1830	≥23	183-199	23-25	≤250	8.3
Sm <sub>2</sub> Co <sub>17</sub>	Sm <sub>2</sub> Co <sub>17</sub> -24L	/	0.95-1.02	9.5-10.2	541-716	6.8-9.0	636-955	8-12	175-191	22-24	≤250	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -26L	XGS 207/50	1.02-1.05	10.2-10.5	541-784	6.8-9.4	636-955	8-12	191-207	24-26	≤250	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -28L	XGS 223/50	1.03-1.08	10.3-10.8	541-764	6.8-9.6	636-955	8-12	207-220	26-28	≤250	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -30L	/	1.08-1.15	10.8-11.5	541-796	6.8-10.0	636-955	8-12	220-240	28-30	≤250	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -32L	/	1.10-1.15	11.0-11.5	541-812	6.8-10.2	636-955	8-12	230-255	29-32	≤250	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -26M	XGS 207/80	1.02-1.05	10.2-10.5	676-780	8.5-9.8	955-1433	12-18	191-207	24-26	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -28M	XGS 223/80	1.03-1.08	10.3-10.8	676-796	8.5-10.0	955-1433	12-18	207-220	26-28	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -30M	XGS 239/80	1.08-1.1	10.8-11.0	676-835	8.5-10.5	955-1433	12-18	220-240	28-30	≤300	8.4
Sm <sub>2</sub> Co <sub>17</sub> -32M	/	1.10-1.13	11.0-11.3	676-852	8.5-10.7	955-1433	12-18	230-255	29-32	≤300	8.4	

to be continued(接下页)

杭州科德磁业有限公司

HANGZHOU KEDE MAGNETICS COMPONENTS CO., LTD.

中国浙江省杭州市桐庐县樟青塘路168号, 邮编: 311500

No.168 Zhangqingtang Road, Tonglu, Hangzhou 311500, China.

电话/tel: +86 571 64242689 传真/fax: +86 571 64242687, 电子邮件/email: [info@kedemagnetics.com](mailto:info@kedemagnetics.com)



Typical Magnetic Properties of SmCo Magnets (钐钴磁铁典型磁性能表)

类别 Item	牌号 Grade	稀土钴永磁 材料GBT 4180-2012	剩磁 Remanence induction		矫顽力 Coercive force		内禀矫顽力 Intrinsic Coercive force		最大磁能积 Maximum Energy product		工作温度 Working Temperat ure	密度 Density
			B <sub>r</sub>		H <sub>cB</sub>		H <sub>cJ</sub>		(BH) <sub>max</sub>		T <sub>w</sub>	ρ
			T	KGs	KA/m	KOe	KA/m	KOe	KJ/m <sup>3</sup>	MGOe	°C	g/cm <sup>3</sup>
Sm <sub>2</sub> Co <sub>17</sub>	Sm <sub>2</sub> Co <sub>17</sub> -33M	/	1.13-1.15	11.3-11.5	820-870	10.3-10.9	955-1433	12-18	246-262	31-32	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -22	/	0.93-0.97	9.3-9.7	676-740	8.5-9.3	≥1433	≥18	160-183	20-23	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -24	/	0.95-1.02	9.5-10.2	692-764	8.7-9.6	≥1433	≥18	175-191	22-24	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -26	XGS 207/160	1.02-1.05	10.2-10.5	748-796	9.4-10.0	≥1433	≥18	191-207	24-26	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -28	XGS 223/160	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1433	≥18	207-220	26-28	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -30	XGS 223/247	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1433	≥18	220-240	28-30	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -32	/	1.10-1.13	11.0-11.3	812-860	10.2-10.8	≥1433	≥18	230-255	29-32	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -33	/	1.13-1.15	11.3-11.5	820-870	10.3-10.9	≥1433	≥18	246-262	31-32	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -24H	XGS 191/200	0.95-1.02	9.5-10.2	692-764	8.7-9.6	≥1990	≥25	175-191	22-24	≤350	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -26H	XGS 207/200	1.02-1.05	10.2-10.5	748-796	9.4-10.0	≥1990	≥25	191-207	24-26	≤350	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -28H	XGS 223/200	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1990	≥25	207-220	26-28	≤350	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -30H	XGS 239/160	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1990	≥25	220-240	28-30	≤350	8.4

to be continued(接下页)

杭州科德磁业有限公司

HANGZHOU KEDE MAGNETICS COMPONENTS CO., LTD.

中国浙江省杭州市桐庐县樟青塘路168号, 邮编: 311500

No.168 Zhangqingtang Road, Tonglu, Hangzhou 311500, China.

电话/tel: +86 571 64242689 传真/fax: +86 571 64242687, 电子邮件/email: [info@kedemagnetics.com](mailto:info@kedemagnetics.com)



Typical Magnetic Properties of SmCo Magnets (钐钴磁铁典型磁性能表)

类别 Item	牌号 Grade	稀土钴永磁 材料GBT 4180-2012	剩磁 Remanence induction		矫顽力 Coercive force		内禀矫顽力 Intrinsic Coercive force		最大磁能积 Maximum Energy product		工作温度 Working Temperat ure	密度 Density
			B <sub>r</sub>		H <sub>cB</sub>		H <sub>cJ</sub>		(BH) <sub>max</sub>		T <sub>w</sub>	ρ
			T	KGs	KA/m	KOe	KA/m	KOe	KJ/m <sup>3</sup>	MGOe	°C	g/cm <sup>3</sup>
Sm <sub>2</sub> Co <sub>17</sub>	Sm <sub>2</sub> Co <sub>17</sub> -32H	/	1.10-1.13	11.0-11.3	812-860	10.2-10.8	≥1990	≥25	230-255	29-32	≤350	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -33H	/	1.13-1.15	11.3-11.5	830-880	10.4-11	≥1990	≥25	246-262	31-32	≤350	8.4
Sm <sub>2</sub> Co <sub>17</sub> -TR	Sm <sub>2</sub> Co <sub>17</sub> -20TR	/	0.9-0.94	9.0-9.4	661-732	8.3-9.2	≥1592	≥20	143-159	18-20	≤500	8.4
Sm <sub>2</sub> Co <sub>17</sub> -LT	Sm <sub>2</sub> Co <sub>17</sub> -16LT	/	0.81-0.85	8.1-8.5	605-669	7.6-8.4	≥1592	≥20	111-127	14-16	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -18LT	/	0.85-0.9	8.5-9.0	629-708	7.9-8.9	≥1592	≥20	127-143	16-18	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -20LT	/	0.9-0.94	9.0-9.4	661-732	8.3-9.2	≥1592	≥20	143-159	18-20	≤300	8.4
	Sm <sub>2</sub> Co <sub>17</sub> -22LT	/	0.94-0.97	9.4-9.7	685-740	8.6-9.3	≥1592	≥20	159-175	20-22	≤300	8.4