

Magnetic Properties of Sintered SmCo Magnets--EU Market

Grade	Remanence Br		Coercive force Hcb		Intrinsic Coercive force		Maximum Energy (BH)max		Temp. Coeff.		Tw.	Density
	KGs	T	KOe	kA/m	KOe	KA/m	MGOe	KJ/m3	αBr	αjHc	°C	g/cm ³
RCS16	7.5-8.8	0.75-0.88	7.0-8.0	557-637	≥ 25	≥ 1900	14-18	111-143	-0.05	-0.30	250	8.00-8.20
RCS18 (SmCo5)	8.2-8.5	0.82-0.85	7.5-8.0	597-639	≥ 15	≥ 1199	17-19	135-151	-0.05	-0.30	250	8.20-8.30
RCS20 (SmCo5)	8.5-9.0	0.85-0.90	7.5-8.0	597-639	≥ 15	≥ 1199	19-21	151-167	-0.05	-0.30	250	8.20-8.30
RCS22 (SmCo5)	9.0-9.5	0.90-0.95	7.5-8.0	597-639	≥ 18	≥ 1440	21-23	167-183	-0.05	-0.30	250	8.20-8.30
RCS24 (Sm2Co17)	9.5-10.0	0.95-1.00	8.2-10.0	655-799	≥ 15	≥ 1199	22-24	175-191	-0.05	-0.30	300	8.30-8.50
RCS24H (Sm2Co17)	9.5-10.0	0.95-1.00	8.2-10.0	655-799	≥ 18	≥ 1440	22-24	175-191	-0.04	-0.29	300	8.30-8.50
RCS26 (Sm2Co17)	10.0-10.5	1.00-1.05	8.2-10.0	655-799	≥ 15	≥ 1199	24-26	191-210	-0.05	-0.30	300	8.30-8.50
RCS26H (Sm2Co17)	10.0-10.5	1.00-1.05	8.2-10.0	655-799	≥ 18	≥ 1440	24-26	191-210	-0.04	-0.29	300	8.30-8.50
RCS28 (Sm2Co17)	10.5-10.8	1.05-1.08	8.2-10.0	655-799	≥ 15	≥ 1199	26-28	210-223	-0.05	-0.30	300	8.30-8.50
RCS28H (Sm2Co17)	10.5-10.8	1.05-1.08	8.2-10.0	655-799	≥ 18	≥ 1440	26-28	210-223	-0.04	-0.29	300	8.30-8.50

Note:

1. The data mentioned above of magnetic performance and physical properties are given at room temperature 20°C.
2. Curie temperature and temperature coefficient are for reference only, but not as an inspection items.
3. The max working temperature is changeable due to length-diameter ratio, coating thickness and environment factors.