

## Magnetic Properties of Sintered SmCo Magnets

Grade	Remanence Br		Coercive force Hcb		Intrinsic Coercive force Hcj		Maximum Energy (BH)max		Density	Tw.	Remarks
	KGs	mT	KOe	KA/m	KOe	KA/m	MGOe	KJ/m <sup>3</sup>	g/cm <sup>3</sup>	°C	
SmCo16	8.30	830	8.00	640	18.00	1430	16	128	8.3	250	1:5
SmCo18	8.80	880	8.50	680	18.00	1430	18	144	8.3	250	
SmCo20	9.20	920	8.70	700	18.00	1430	20	160	8.3	250	
SmCo22	9.40	940	9.10	730	18.00	1450	22	176	8.3	250	
SmCo24	9.80	980	9.40	750	18.00	1450	24	192	8.3	250	
SmCo24	9.80	980	9.10	730	18.00	1450	24	192	8.4	300	2:17
SmCo26	10.30	1030	9.50	760	18.00	1450	26	208	8.4	300	
SmCo28	10.50	1050	9.70	780	18.50	1450	28	224	8.4	300	
SmCo30	11.00	1100	10.10	810	18.50	1450	30	240	8.4	300	
SmCo26M	10.30	1030	9.50	760	15.00	1100	26	208	8.4	300	
SmCo28M	10.50	1050	9.70	780	15.00	1100	28	224	8.4	300	
SmCo30M	11.00	1100	10.10	810	15.00	1100	30	240	8.4	300	
SmCo28L	10.50	1050	6.90	550	8.00	700	28	224	8.4	250	
SmCo30L	11.00	1100	6.90	550	8.00	700	30	240	8.4	250	
SmCo24H	10.00	1000	9.00	720	25.00	2000	24	192	8.4	350	2:17
SmCo26H	10.30	1030	9.50	760	25.00	2000	26	208	8.4	350	
SmCo28H	10.50	1050	9.60	770	25.00	2000	28	224	8.4	350	
SmCo30H	10.80	1080	10.10	810	25.00	2000	30	240	8.4	350	

- 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.