



Typical Magnetic Properties of SmCo Magnets

Material	Code	Remanence Br		Coercivity Force		Intrinsic Coercivity		Maximum Energy		Curie	Maximum Operating
						Force	Product Bhm	Temperature	Temperature		
		Br		bHc		iHc		(BH)max		Tc	TW
		T	KGs	KA/m	KOe	KA/m	KOe	KJ/m <sup>3</sup>	MGOe	°C	°C
<b>Sintered SmCo</b>											
	SR-18	0.85-0.9	8.5-9.0	620-648	7.8-8.2	1194-1513	15-19	127-143	16-18	750	250
SmCo1:5	SR-20	0.92-0.96	9.2-9.6	653-717	8.2-9.0	1194-1513	15-19	150-167	19-21	750	250
	SR-24	0.96-1.0	9.6-10.2	730-770	9.2-9.7	1194-1513	15-19	175-190	22-24	750	250
	SRG-24	0.95-1.02	9.5-10.2	637-732	8.0-9.2	1433-1990	18-25	175-190	22-24	800	350
SmCo2:17	SRG-26	1.02-1.05	10.2-10.5	748-796	9.4-10.0	1433-1990	18-25	195-215	24-26	800	350
	SRG-28	1.05-1.08	10.5-10.8	756-796	9.5-10.0	1433-1990	18-25	205-220	26-28	800	350
	SRG-30	1.08-1.10	10.8-11.0	788-835	9.8-10.5	1433-1990	18-25	220-240	28-30	800	350
	SRG-32	1.10-1.15	11.0-11.5	812-860	10.2-10.8	1433-1990	18-25	231-255	29-32	800	350