Sm-Co Magnets

With the performance of high coercive force, high energy product and highly resistant to oxidation, Sm-Co Magnets are widely used in motors' ignition coils, vacuum deposition, sputtering, magnetic resonance, magnetic separation, micro-motors, gauges and other high efficient compact devices. By manufacturing process, Sm-Co Magnets are divided into Sintered Sm-Co Magnets and Bonded Sm-Co Magnets.

Material	Grade	Residual Induction		Coercive Force		Intrinsic Coercive Force		Max.Energy Product		Curie Temp.	Max. Working Temp.
		Br		Hcb		Hcj		(BH)max		TC	TW
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m^3	MGOe	℃	℃
Sintered Sm-Co Magnets											
Sm-Co (1:5)	SS-18	0.85-0.90	8.5-9.0	620-648	7.8-8.2	1194-1513	15-19	127-143	16-18	750	250
	SS-20	0.90-0.96	9.0-9.6	653-717	8.2-9.0	1194-1513	15-19	150-167	19-21	750	250
	SS-24	0.96-1.00	9.6-10.0	730-770	9.2-9.7	1194-1513	15-19	175-190	22-24	750	250
Sm-Co (2:17)	SS-24	0.95-1.02	9.5-10.2	637-732	8.0-9.2	1433-1990	18-25	175-190	22-24	800	300
	SS-26	1.02-1.05	10.2-10.5	748-796	9.4-10.0	1433-1990	18-25	195-215	24-26	800	300
	SS-28	1.05-1.08	10.5-10.8	756-796	9.5-10.0	1433-1831	18-23	205-220	26-28	800	300
	SS-30	1.08-1.10	10.8-11.0	780-836	9.8-10.5	955-1195	12-15	220-240	28-30	800	300
Bonded Sm-Co Magnets											
Sm-Co (1:5)	BS-6	0.4	4.0	280	3.5	800	10	30-50	4-6	/	120
	BS-10	0.5	5.0	320	4.0	800	10	50-65	6-8	/	120
Sm-Co (2:17)	BS-10	0.6	6.0	360	4.5	800	10	65-80	8-10	/	120
	BS-12	0.7	7.0	400	5.0	800	10	80-95	10-12	/	120