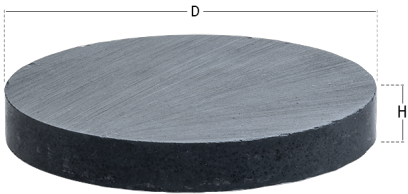


SAMARIUM COBALT



SAMARIUM COBALT magnets are made of a compound of sintered rare earth elements. SAMARIUM COBALT magnets have an excellent corrosion resistance. They are generally supplied without surface treatment. We can also realize the magnet with a nickel coating (By request). The main feature of SAMARIUM COBALT magnets is the magnetic resistance to temperature, up to 350°C.

CODE	D	H
SAMC.26XY00.23	2	3
SAMC.260000.42	4	2
SAMC.173000.44	4	4
SAMC.260000.510	5	10
SAMC.000000.66	6	6
SAMC.300000.6.58T	6,5	8
SAMC.000000.85	8	5
SAMC.300000.88	8	8
SAMC.170000.93	9	3
SAMC.170000.9.55	9,5	5
SAMC.250000.1010	10	10
SAMC.280000.1110	11	10
SAMC.XGS280.11.55	11,5	5
SAMC.180000.125	12	5
SAMC.000000.154	15	4
SAMC.250000.205	20	5
SAMC.200000.254	25	4
SAMC.300000.304	30	4
SAMC.280000.307	30	7

SPECIFICATIONS

MATERIAL	M BH Max	Br (min-max)	Residual Induction Hcb (min-max)	Coercitive Force Hcj (min-max)	Density D	Rev. Temp. Coeff (Br) TC	Curie Temp. TC	Temper ure Ma Tw
NE TI ZA ZI O N G RA								

	DE													
		KJ/m ³	MGsOe	T	KGs	KA/m	KOe	Ka/m	KOe	g/cm ³	% / °C	°C	°C	
SmCo5	X	120-143	15.00-18.00	0.77-0.86	7.7-8.6	613-716	7.7-9.0	?1194	?15.0	8.3	-0.04	?740	250	
	G16													
	X	120-143	15.00-18.00	0.77-0.86	7.7-8.6	613-716	7.7-9.0	?1592	?20.0					
	G16H													
	X	135-159	17.00-20.00	0.81-0.92	8.1-9.2	637-756	8.0-9.5	?1194	?15.0					
	G18													
	X	135-159	17.00-20.00	0.81-0.92	8.1-9.2	637-756	8.0-9.5	?1592	?20.0					
	G18H													
	X	151-175	19.00-22.00	0.85-0.95	8.5-9.5	637-756	8.0-9.5	?1194	?15.0					
	G20													
	X	151-175	19.00-22.00	0.85-0.95	8.5-9.5	637-756	8.0-9.5	?1592	?20.0					
	G20H													
	X	167-191	21.00-24.00	0.89-1.00	8.9-10.0	661-772	8.3-9.7	?1194	?15.0					
	G22													
	X	167-191	21.00-24.00	0.89-1.00	8.9-10.0	661-772	8.3-9.7	?1592	?20.0					
	G22H													
	Sm2Co17	X	175-199	22.00-25.00	0.92-1.04	9.2-10.4	318-788	4.0-9.9	398-1194	5.0-15.0	8.4	-0.03	?850	350
		G S2 4M												
		X	175-199	22.00-25.00	0.92-1.04	9.2-10.4	661-796	8.3-10.0	1194-199	15.0-25.0				
		G S2 4							0					
X		175-199	22.00-25.00	0.92-1.04	9.2-10.4	661-804	8.3-10.1	>1990	>25.0					
G S2 4H														
X		191-215	24.00-27.00	1.00-1.06	10.0-10.6	318-796	4.0-10.0	398-1990	5.0-15.0					
G S2 6M														
X		191-215	24.00-27.00	1.00-1.06	10.0-10.6	677-820	8.5-10.3	1194-199	15.0-25.0					
G S2 6								0						
	X	191-215	24.00-27.00	1.00-1.06	10.0-10.6	677-820	8.5-10.3	>1990	>25.0					
	G S2 6H													
	X	207-231	26.00-29.00	1.04-1.10	10.4-11.0	318-804	4.0-10.1	398-1194	5.0-15.0					
	G S2 8M													
	X	207-231	26.00-29.00	1.04-1.10	10.4-11.0	677-820	8.5-10.3	1194-199	15.0-25.0					
	G S2 8							0						
	X	207-231	26.00-29.00	1.04-1.10	10.4-11.0	677-820	8.5-10.3	>1990	>25.0					
	G S2 8H													
	X	223-247	28.00-31.00	1.07-1.12	10.7-11.2	318-804	4.0-10.1	398-1194	5.0-15.0					
	G S3 0M													
	X	223-247	28.00-31.00	1.07-1.12	10.7-11.2	700-828	8.8-10.4	1194-199	15.0-25.0					
	G S3							0						

Coeff. bassa Temp. SmCo17	0									
	X	223-247	28.00-31.00	1.07-1.12	10.7-11.2	700-828	8.8-10.4	>1990	>25.0	
	G									
	S3									
	0H									
	X	231-255	29.00-32.00	1.09-1.15	10.9-11.5	318-804	4.0-10.1	398-955	5.0-12.0	
	G									
	S3									
	2M									
	X	231-255	29.00-32.00	1.09-1.15	10.9-11.5	716-836	9.0-10.5	>995	>12.0	
	G									
	S3									
	2									
	X	159-183	20.00-23.00	0.90-0.99	9.0-9.9	677-756	8.5-9.5	?1194	?15.0	8.4
	G									-0.015
	S2									?850
	2L									350
	T									
	X	175-199	22.00-25.00	0.92-1.02	9.2-10.2	677-756	8.5-9.5	?1194	?15.0	
	G									
	S2									
	4L									
	T									