

# China SmCo Magnet Manufacturer, Supplier, Factory, Exporter

Positions: Products→SmCo Magnet

**Sintered SmCo Magnets**  
**Bonded SmCo magnet**  
**Injection bonded SmCo magnet**

**SmCo Magnet description:** SmCo magnet have two main types SmCo5 and Sm2Co17, also named with SmCo magnetic steel, SmCo permanent magnet, SmCo permanent magnetic iron and rare-earth cobalt permanent magnet. It is a high performance, low temperature coefficient permanent magnet with its high working temperature -350 degree centigrade. When working above 180 degree centigrade, its maximum energy product BH and steady temperature are superior to NdFeB magnetic materials. It needs not to be coated because it is difficult to be eroded and oxidized. SmCo magnet is widely used in motors, watch, transducers, instruments, positional detector, generators, radar communications, medical equipments, various magnetism spreading devices, magnetic processor, electrical engineering and magnetic derrick.

Samarium Cobalt magnets offer super combination of extremely high magnetic standard, excellent thermal stability and distinguished corrosion resistance. Sm2Co17 is better than SmCo5 in all respects. Because of these merits, Samarium Cobalt magnets are ideal component especially in applications where temperature changes across a broad range or environment is corrosive, such as chemical pump couplings.

Material	Code	Remanence Br		Coercivity Force		Intrinsic Coercivity Force		Max. Energy Product Bhm		Curie Temperature	Max. Operating Temperature
		T	KGs	KA/m	KOe	KA/m	KOe	KJ/m3	MGOe	°C	°C
<b>Sintered</b>											
SmCo(1:5)	YX-18	0.75-0.9	8.5-9.0	620-648	7.8-8.2	1194-1513	15-19	127-143	16-18	750	250
	YX-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
	YX-24	0.96-1.0	9.6-1.0	730-770	9.2-9.7	1194-1513	15-19	175-190	22-24	750	250
SmCo(2:17)	YXG-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
	YXG-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
	YXG-28	1.05-1.08	10.5-10.8	756-796	9.5-10.0	1433-1831	18-25	205-220	26-28	800	300
	YX-28B	1.02-1.10	10.2-11.0	420	5.2-5.6	440-520	5.5-6.5	205-220	26-28	800	300
	YXG-30	1.08-1.10	10.8-11.0	780	9.8-10.5	1433-1831	18-25	220-240	28-30	800	300
	YXG-30B	1.08-1.15	10.8-11.5	420	5.2-5.6	440-520	5.5-6.5	220-240	28-30	800	300
<b>Bonded</b>											
SmCo(1:5)	YB-6	0.4	4.0	280	3.5	800	10	30-50	4-6	-	120
	YB-10	0.5	5.0	320	4.0	800	10	50-65	6-8	-	120
SmCo(2:17)	YBG-10	0.6	6.0	360	4.5	800	10	65-80	8-10	-	120
	YBG-12	0.7	7.0	400	5.0	800	10	80-95	10-12	-	120

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Sintered SmCo Magnets-LNG37



Sintered SmCo Magnets-LNG40



Sintered SmCo Magnet-LNG44



Sintered SmCo Magnet-LNGT28



Bonded SmCo magnet-N42



Bonded SmCo magnet-N45



Bonded SmCo magnet-N48



Bonded SmCo Magnet-LNG52



Bonded SmCo Magnet-LNG60



Injection bonded SmCo magnet-N35



Injection bonded SmCo magnet-N38



Injection bonded SmCo magnet-N40

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**SmCo Magnet Related Keywords :** Does not have the similar key word temporarily!

**Other related category :** NdFeB Magnet, Ferrite Magnet, Cast AlNiCo Magnet, Flexible Magnet, Magnetic Assemblies, Rubber Magnet,

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