

Samarium (SmCo)

The big advantages of samarium magnets (also referred to as SmCo magnets or samarium-cobalt magnets) are their temperature stability up to approx. 350 °C and their corrosion resistance. The magnetic values are lower than those of neodymium magnets.



Material	Br mT	bHc KA/m	iHc KA/m	(BH) max KJ/m ³	Density g/cm ³	Tw max. C°
SmCo5	790	620	2000	125	8,1	250
SmCo5	830	640	1400	135	8,1	250
SmCo5	880	690	1300	155	8,1	250
SmCo5	980	710	1400	180	8,1	250
Sm2Co17	1040	750	1200	200	8,4	350
Sm2Co17	1100	800	1500	220	8,4	350

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