



Samarium Cobalt Grades

- Produced to ± 0.0002 cm precision and made under RoHS-compliant standards.
- No export license required for any order.
- DFARS & ITAR-compliant batches available using non-restricted materials.

If your grade isn't listed, we can manufacture it to spec from our extensive formulation library.

Material	Grade	Remanence		Coercivity				Energy Density		Max Operating Temp.
		T	kG	KA/m	kOe	KA/m	kOe	KJ/m ³	MGOe	°C
SmCo ⁵	SM18	0.90	9.0	700	8.8	2405	23	143	18	250°C
SmCo ⁵	SM20	0.94	9.4	725	9.1	2405	23	159	20	250°C
SmCo ⁵	SM22	0.97	9.7	748	9.4	2405	23	175	22	250°C
SmCo ⁵	SM24	1.02	10.2	780	9.7	2405	23	195	24	250°C
Sm ² Co ¹⁷	SM24A	1.02	10.2	772	9.7	≥1435	≥18	191	24	300°C
Sm ² Co ¹⁷	SM26	1.05	10.5	796	10.0	≥1435	≥18	207	26	350°C
Sm ² Co ¹⁷	SM28	1.08	10.8	820	10.3	≥1435	≥18	223	28	350°C
Sm ² Co ¹⁷	SM30	1.11	11.1	836	10.5	≥1590	≥18	239	30	350°C
Sm ² Co ¹⁷	SM30H	1.11	11.1	836	10.5	≥2010	≥25	239	30	350°C
Sm ² Co ¹⁷	SM32A	1.13	11.3	860	10.8	≥1990	≥25	255	31	350°C
Sm ² Co ¹⁷	SM32X	1.15	11.5	880	11.0	≥1990	≥25	262	32	350°C
Sm ² Co ¹⁷	SM35	1.20	12.0	890	11.5	≥1990	≥20	270	35	350°C
Sm ² Co ¹⁷	SM20X	0.94	9.4	732	9.2	≥1990	≥25	159	20	350°C
Sm ² Co ¹⁷	SM22X	0.97	9.7	740	9.3	≥1990	≥25	175	22	350°C
Sm ² Co ¹⁷	SM24X	1.02	10.2	772	9.7	≥1990	≥25	191	24	350°C
Sm ² Co ¹⁷	SM28X	1.08	10.8	828	10.3	≥1990	≥25	223	28	350°C
Sm ² Co ¹⁷	SM38	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE	31	450°C