

SmCo - Technical Specifications

Delivery Programme

Material	Grade	Br		Hcb		Hcj		(BH)max		Reverse Temp. Coeff.(Br) %/°C	TW °C
		T		KA/m		KA/m		KJ/m3			
		KGs		KOe		KOe		MGOe			
		Max	Min	Max	Min	Max	Min	Max	Min		
SmCo5 and Sm(Pr)Co	XG18	0.92	0.82	756	639	1751	1194	159	127	-0.04	250
		9.2	8.2	9.5	8.0	22.0	15.0	20	16		
	XG20	0.95	0.87	756	639	1751	1194	175	143		
		9.5	8.7	9.5	8.0	22.0	15.0	22	18		
	XG22	1.0	0.92	772	660	1751	1194	191	159		
		10	9.2	9.7	8.3	22.0	15.0	24	20		
XG24	1.04	0.94	780	660	1751	1194	207	175			
	10.4	9.4	9.8	8.3	22.0	15.0	26	22			
Sm2Co17	XGS24M	1.04	0.94	772	318	955	398	207	175	-0.03	350
		10.4	9.4	9.7	4.0	12.0	5.0	26	22		
	XGS24	1.04	0.94	780	660	≥ 1194		207	175		
		10.4	9.4	9.8	8.3	≥ 15.0		26	22		
	XGS24H	1.04	0.94	780	660	≥ 1592		207	175		
		10.4	9.4	9.8	8.3	≥ 20.0		26	22		
	XGS26M	1.07	1.0	796	318	955	398	223	191		
		10.7	10.0	10	4.0	12.0	5.0	28	24.5		
	XGS26	1.07	1.0	820	677	≥ 1194		223	191		
		10.7	10.0	10.3	8.5	≥ 15.0		28	24.5		
	XGS26H	1.07	1.0	820	677	≥ 1592		223	191		
		10.7	10.0	10.3	8.5	≥ 20.0		28	24.5		
	XGS28M	1.10	1.03	796	318	955	398	239	207		
		11.0	10.3	10.0	4.0	12.0	5.0	30	26		
	XGS28	1.10	1.03	820	677	≥ 1194		239	207		
		11.0	10.3	10.3	8.5	≥ 15.0		30	26		
	XGS28H	1.10	1.03	820	677	≥ 1592		239	207		
		11.0	10.3	10.3	8.5	≥ 20.0		30	26		
	XGS30M	1.12	1.05	796	318	955	398	247	223		
		11.2	10.5	10.0	4.0	12.0	5.0	31	27		
XGS30	1.12	1.05	820	677	≥ 1194		247	223			
	11.2	10.5	10.3	8.5	≥ 15.0		31	27			

	XGS32M	1.15	1.09	796	318	955	398	262	238		
		11.5	10.9	10.0	4.0	12.0	5.0	32	29		
	XGS32	1.15	1.09	820	677	≥955		262	238		
		11.5	10.9	10.3	8.5	≥12.0		32	29		
Low Temp Coeff. Sm2Co17	XGL22LT	1.0	0.93	756	677	≥1194		191	159	-0.01	350
		10.0	9.3	9.5	8.5	≥15.0		24	20		
	XGL24LT	1.04	0.96	756	677	≥1194		207	175		
		10.4	9.6	9.5	8.5	≥15.0		26	22		
	XGL26LT	1.07	1.0	812	677	≥1433		223	191	-0.02	350
		10.7	10.0	10.2	8.5	≥18.0		28	25		

Density: 8,3 - 8,4 g/cm³

Curie Temperature: 725 - 825 °C

10. Apr 12