

MAGNETIC CHARACTERISTICS AND PHYSICAL PROPERTIES OF SmCo

Grade		Br mT (KGs)	bHc KA/m (KOe)	iHc KA/m (KOe)	BHmax KJ/m ³ (MGOe)	Density g/cm ³	Br. Temp. Coefficient %/°C	Curie Temp. °C	Working Temp. °C
Sm-Co 1:5	YX16	750-880	597 ± 40	≥1989	127 ± 16	8.0-8.2	-0.05	700-750	≤250
		(7.5-8.8)	7.5 ± 0.5	(≥25)	16 ± 2				
	YX18	800-930	637 ± 40	≥1432	143 ± 16	8.0-8.2	-0.05	700-750	≤250
		(8.0-9.3)	8 ± 0.5	(≥18)	18 ± 2				
	YX20	850-980	637 ± 40	≥1273	159 ± 16	8.0-8.2	-0.05	700-750	≤250
		(8.5-9.8)	8 ± 0.5	(≥16)	20 ± 2				
	YXT18	900-1030	637 ± 40	≥1194	143 ± 16	8.3-8.5	-0.01	800	≤250
		(9.0-10.3)	8 ± 0.5	(≥15)	18 ± 2				
	YX22A	900-1030	653 ± 40	≥1989	175 ± 16	8.3-8.5	-0.03	800	≤250
		(9.0-10.3)	8.2 ± 0.5	(≥25)	22 ± 2				
	YX22B	900-1030	653 ± 40	≥1432	175 ± 16	8.3-8.5	-0.03	800	≤250
		(9.0-10.3)	8.2 ± 0.5	(≥18)	22 ± 2				
Sm-Co 2:17	YX24	980-1080	676 ± 40	≥1432	191 ± 16	8.3-8.5	-0.03	800	≤300
		(9.8-10.8)	8.5 ± 0.5	(≥18)	24 ± 2				
	YX26A	1000-1130	716 ± 40	≥1194	207 ± 16	8.3-8.5	-0.03	800	≤300
		(10.0-11.3)	9.0 ± 0.5	(≥15)	26 ± 2				
	YX26B	1000-1130	716 ± 40	≥796	207 ± 16	8.3-8.5	-0.03	800	≤300
		(10.0-11.3)	9.0 ± 0.5	(≥10)	26 ± 2				
	YX27	1000-1100	440 ± 80	≥413	203 ± 20	8.3-8.5	-0.03	800	≤300
		(10.0-11.0)	5.5 ± 1.0	(≥5.2)	26 ± 2				
	YX28	1030-1130	756 ± 40	≥1432	223 ± 16	8.3-8.5	-0.03	800	≤300
		(10.3-11.3)	9.5 ± 0.5	(≥18)	28 ± 2				
	YX30	1080-1180	756 ± 40	≥1432	239 ± 16	8.3-8.5	-0.03	800	≤300
		(10.8-11.8)	9.5 ± 0.5	(≥18)	30 ± 2				
YX30H	1080-1180	816 ± 16	≥1600	239 ± 16	8.3-8.5	-0.03	800	≤350	
	(10.8-11.8)	10.2 ± 0.2	(≥20)	30 ± 2					