



● SAMARIUM COBALT - SmCo5

RECo5 (RE=Sm, Pr)

Grade	Residual Induction Br KG(T)	Coercive Force Hcb KOe (KJ/m <sup>3</sup> )	Intrinsic Coercive Force Hcj KOe (KJ/m <sup>3</sup> )	Max Energy Product (BH)max	Max Working Temp C	Rev Temp Coefficient Br%/C	Density g/cm <sup>3</sup>
SM1818	8.6+/-0.3(0.86+/-0.03)	8.3+/-0.3(664+/-24)	17(1360)	18(143)	250	-0.045 to -0.05	8.3
SM1820			19(1520)				
SM1825			25(2000)				
SM2018	9.0+/-0.3(0.90+/-0.03)	8.6+/-0.3(688+/-24))	17(1360)	20(159)	250	-0.045 to -0.05	8.3
SM2020			19(1520)				
SM2025			25(2000)				
SM2215	9.5+/-0.3(0.95+/-0.03)	9.0+/-0.4(720+/-32)	14(1120)	22(175)	250	-0.045 to -0.05	8.3
SM2218			16(1280)				
SM2220			19(1520)				
SM2415	10.0+/-0.3(1.00+/-0.03)	9.5+/-0.4(760+/-32)	14(1040)	24(191)	250	-0.045 to -0.05	8.3
SM2418			16(1200)				

● SAMARIUM COBALT - Sm2Co17

RE2TM17 (RE=Sm, TM=Fe,Cu, Co, Zr, Hf)

Grade	Residual Induction Br KG(T)	Coercive Force Hcb KOe (KJ/m <sup>3</sup> )	Intrinsic Coercive Force Hcj KOe (KJ/m <sup>3</sup> )	Max Energy Product (BH)max	Max Working Temp C	Rev Temp Coefficient Br%/C	Density g/cm <sup>3</sup>
SM2225	9.7+/-0.3(0.97+/-0.03)	9.4+/-0.4(752+/-32)	25(2000)	22(176)	350	-0.03 to -0.035	8.4
SM2230			28(2240)				
SM2235			32(2560)				
SM2425	10.3+/-0.3(1.03+/-0.03)	9.6+/-0.4(768+/-32)	25(2000)	24(192)	350	-0.03 to -0.035	8.4
SM2430			28(2240)				
SM2435			32(2560)				
SM2610	10.6+/-0.3(1.06+/-0.03)	8.0+/-0.5(640+/-40)	10(800)	26(207)	300	-0.03 to -0.035	8.4
SM2616			14(1120)				
SM2620			18(1440)				
SM2625	10.8+/-0.3(1.08+/-0.03)	9.8+/-0.5(784+/-40)	22(1760)				
SM2630			26(2080)				
SM2635			32(2560)				
SM2816	11.0+/-0.3(1.10+/-0.03)	10.0+/-0.6(800+/-48)	13(1040)	28(223)	300	-0.03 to -0.035	8.4
SM2820			17(1360)				
SM2825			22(1760)				
SM2830			26(2080)				
SM2835			32(2560)				
SM3012	11.3+/-0.3(1.13+/-0.03)	9.5+/-0.6(760+/-48)	10(800)	30(239)	300	-0.03 to -0.035	8.4
SM3015			13(1040)				
SM3018			16(1280)				
SM3020			18(1440)				
SM3212	11.5+/-0.3(1.15+/-0.03)	9.5+/-0.6(760+/-48)	10(800)	31(247)	300	-0.03 to -0.035	8.4
SM3215			13(1040)				
SM3218			15(1200)				