

# FERRITE MAGNET

Grade	Br		Hcb		Hcj		(BH)max	
	mT	KG	KA/m	KOe	KA/m	KOe	KJ/m <sup>3</sup>	MGOe
Y10T	200-235	2.0-2.35	125-160	1.57-2.01	210-280	2.64-3.52	6.5-9.5	0.8-1.2
Y20	320-380	3.2-3.8	135-190	1.70-2.38	140-195	1.76-2.45	18.0-22.0	2.3-2.8
Y22H	310-360	3.1-3.6	220-250	2.77-3.14	280-320	3.52-4.02	20.0-24.0	2.5-3.2
Y23	320-370	3.2-3.7	170-190	2.14-2.38	190-230	2.39-2.89	20.0-25.5	2.5-3.2
Y25	360-400	3.6-4.0	135-170	1.70-2.14	140-200	1.76-2.51	22.5-28.0	2.8-3.5
Y26H	360-390	3.6-3.9	220-250	2.77-3.14	225-255	2.83-3.21	23.0-28.0	2.9-3.5
Y27H	370-400	3.7-4.0	205-250	2.58-3.14	210-255	2.64-3.21	25.0-29.0	3.1-3.7
Y30	370-400	3.7-4.0	175-210	2.2-2.64	180-220	2.64-2.77	26.0-30.0	3.3-3.8
Y30-1	360-400	3.6-4.0	135-170	1.70-2.14	140-200	1.76-2.51	22.5-28.0	2.8-3.5
Y30BH	380-390	3.8-3.9	223-235	2.80-2.95	231-245	2.90-3.08	27.0-30.0	3.4-3.7
Y30H-1	380-400	3.8-4.0	230-275	2.89-3.46	235-290	2.95-3.65	27.0-32.5	3.4-4.1
Y30H-2	395-415	3.95-4.15	275-300	3.46-3.77	310-335	3.90-4.21	28.5-32.0	3.5-4.0
Y20-2	395-415	3.95-4.15	275-300	3.46-3.77	310-335	3.90-4.21	28.5-32.5	3.5-4.0
Y32	400-420	4.0-4.2	160-190	2.01-2.38	165-195	2.07-2.45	30.0-33.5	3.8-4.2
Y33	410-430	4.1-4.3	220-250	2.77-3.14	225-255	2.83-3.21	31.5-35.0	4.0-4.4
Y35	400-410	4.00-4.10	175-195	2.20-2.45	180-200	2.26-2.51	30.0-32.0	3.8-4.0

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## Samarium Cobalt Magnet Series Property Table

			MATERIAL GRADE				
			YJ-18	YJ-21	YJ-23	YJ-25	YJ-27
MAGNETIC PROPERTIES	RESIDUAL FLUX DENSITY $B_r$	kGauss	8.2 ~ 9.0	9.0 ~ 9.8	9.4 ~ 10	10.0 ~ 10.4	10.2 ~ 11.0
		Tesla	0.82 ~ 0.90	0.90 ~ 0.98	0.94 ~ 1.0	1.0 ~ 1.04	1.02 ~ 1.10
	COERCIVE FORCE $bH_c$	kOe	7.5 ~ 8.0	8.6 ~ 9.2	9.0 ~ 9.6	9.6 ~ 10.2	9.8 ~ 10.4
		kA/m	597 ~ 637	685 ~ 732	716 ~ 764	764 ~ 812	780 ~ 828
	INTRINSIC COERCIVE FORCE $iH_c$	kOe	>18	>20	>20	>24	>24
		kA/m	>1,433	>1,592	>1,592	>1,910	>1,910
	MAXIMUM ENERGY PRODUCT $(BH)_{max}$	MG-Oe	16 ~ 20	19 ~ 21	21 ~ 24	24 ~ 26	25 ~ 29
		$\text{kJ/m}^3$	127 ~ 159	151 ~ 167	167 ~ 191	191 ~ 207	199 ~ 230
	CURIE TEMPERATURE	$^{\circ}\text{C}$	825	825	825	825	825
	DENSITY	$\text{g/cm}^3$	8.35	8.4	8.4	8.4	8.4