

## Technical data of sintered Permanent Ferrite (SJ285-77)

Material	Grade	Remanence		Coercive Force		Intrinsic Coercive		Maximum Energy product	
		Br		Hcb		Hcj		(BH)max	
		mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m3	MGOe
Sintered Ferrite	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	2.5-3.0
	Y23	320-370	3.2-3.7	170-190	2.14-2.39	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	380-400	3.8-4.0	175-210	2.20-2.64	180-220	2.26-2.77	26.0-30.0	3.3-3.8
	Y30BH	380-400	3.8-4.0	223-235	2.80-2.95	231-245	2.90-3.08	27.0-30.0	3.3-3.8
	Y30H-1	380-400	3.8-4.0	230-275	2.89-3.46	235-290	2.95-3.65	27.0-32.0	3.4-4.0
	Y30H-2	395-415	3.95-4.15	275-300	3.46-3.77	310-335	3.90-4.21	28.5-32.5	3.5-4.1
	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	400-440	4.0-4.4	176-224	2.22-2.8	180-230	2.26-2.89	30.3-33.4	3.8-4.2	

## Technical data of sintered Permanent Ferrite (TDK ferrite magnets)

Material	Grade	Remanence		Coercive Force		Intrinsic Coercive		Maximum Energy product	
		Br		Hcb		Hcj		(BH)max	
		mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m3	MGOe
Sintered Ferrite	FB40	410+/-10	4.1+/-0.1	234.8+/-11.9	2.95+/-0.15	238.7+/-15.9	3.0+/-0.2	31.4+/-1.6	3.95+/-0.2
	FB3N	395+/-15	3.95+/-0.15	234.8+/-11.9	2.95+/-0.15	238.7+/-15.9	3.0+/-0.2	28.7+/-2.4	3.6+/-0.3
	FB3G	375+/-15	3.75+/-0.15	254.6+/-15.9	3.2+/-0.2	270.6+/-19.9	3.4+/-0.25	25.9+/-2.4	3.25+/-0.3
	FB3X	375+/-15	3.75+/-0.15	234.8+/-11.9	2.95+/-0.15	238.7+/-15.9	3.0+/-0.2	25.9+/-2.4	3.25+/-0.3
	FB1A	220+/-15	2.20+/-0.15	159.2+/-15.9	2.0+/-0.2	258.6+/-19.9	3.25+/-0.25	8.9+/-1.6	1.1+/-0.2
	FB5H	405+/-10	4.05+/-0.10	298.4+/-11.9	3.75+/-0.15	322.3+/-11.9	4.05+/-0.15	31.1+/-1.6	3.9+/-0.2
	FB4X	420+/-10	4.20+/-0.1	234.8+/-11.9	2.95+/-0.15	238.7+/-15.9	3.0+/-0.2	33.4+/-1.6	4.2+/-0.2
	FB4B	400+/-10	4.00+/-0.1	254.6+/-11.9	3.2+/-0.15	262.6+/-19.9	3.3+/-0.25	30.3+/-1.6	3.8+/-0.2
	FB4A	410+/-10	4.10+/-0.1	175.1+/-15.9	2.2+/-0.2	176.7+/-15.9	2.22+/-0.2	31.8+/-1.6	4.0+/-0.2
	FB6N	440+/-10	4.40+/-0.1	258.6+/-11.9	3.25+/-0.15	262.6+/-11.9	3.3+/-0.15	36.7+/-1.6	4.6+/-0.2
	FB6B	420+/-10	4.20+/-0.1	302.4+/-11.9	3.8+/-0.15	318.3+/-11.9	4.0+/-0.15	33.4+/-1.6	4.2+/-0.2
	FB6H	400+/-10	4.00+/-0.1	302.4+/-11.9	3.8+/-0.15	358.1+/-11.9	4.5+/-0.15	30.3+/-1.6	3.8+/-0.2
	FB6E	380+/-10	3.80+/-0.1	290.5+/-11.9	3.65+/-0.15	393.9+/-11.9	4.95+/-0.15	27.5+/-1.6	3.45+/-0.2
	FB5N	440+/-10	4.40+/-0.1	256.8+/-11.9	2.85+/-0.15	229.2+/-11.9	2.88+/-0.15	36.7+/-1.6	4.6+/-0.2
FB5B	420+/-10	4.20+/-0.1	262.6+/-11.9	3.3+/-0.15	266.6+/-11.9	3.35+/-0.15	33.4+/-1.6	4.2+/-0.2	

## Technical data of sintered Permanent Ferrite (USA)

### Permanent ferrite magnet industry standard of USA

Material	Grade	Remanence		Coercive Force		Intrinsic Coercive		Maximum Energy product	
		Br		Hcb		Hcj		(BH)max	
		mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m3	MGOe
Sintered Ferrite	C1	230	2.3	148	1.86	258	3.5	8.36	1.05
	C5	380	3.8	191	2.4	199	2.5	27	3.4
	C7	340	3.4	258	3.23	318	4	21.9	2.75
	C8(=C8A)	385	3.85	235	2.95	242	3.05	27.8	3.5
	C8B	420	4.2	232	2.913	236	2.96	32.8	4.12
	C9	380	3.8	280	3.516	320	4.01	26.4	3.32
	C10	400	4	288	3.617	280	3.51	30.4	3.82
	C11	430	4.3	200	2.512	204	2.56	34.4	4.32

## Technical data of sintered Permanent Ferrite (IEC404-8-1)

### The IEC404-8-1 Performance & Density Value Of Permanent Ferrite Magnet From International Electricians Committee

Material	Grade	Remanence		Coercive Force		Intrinsic Coercive		Maximum Energy product	
		Br		Hcb		Hcj		(BH)max	
		mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m3	MGOe
Sintered Ferrite	HF8/22	200/220	2.00/2.20	125/140	1.57/1.76	220/230	2.76/2.89	6.5/6.8	0.8/1.1
	HF20/19	320/333	3.20/3.33	170/190	2.14/2.39	190/200	2.39/2.51	20.0/21.0	2.5/2.7
	HF20/28	310/325	3.10/3.25	220/230	2.76/2.89	280/290	3.52/3.64	20.0/21.0	2.5/2.7
	HF22/30	350/365	3.50/3.65	255/265	3.20/3.33	290/300	3.64/3.77	22.0/23.5	2.8/3.0
	HF24/16	350/365	3.50/3.65	155/175	1.95/2.20	160/180	2.01/2.26	24.0/25.5	3.0/3.2
	HF24/23	350/365	3.50/3.65	220/230	2.76/2.89	230/240	2.89/3.01	24.0/25.5	3.0/3.2
	HF24/35	360/370	3.60/3.70	260/270	3.27/3.39	350/360	4.40/4.52	24.0/25.5	3.0/3.2
	HF26/16	370/380	3.70/3.80	155/175	1.95/2.20	160/180	2.01/2.26	26.0/27.0	3.2/3.4
	HF26/18	370/380	3.70/3.80	175/190	2.20/2.39	180/190	2.26/2.39	26.0/27.0	3.3/3.4
	HF26/24	370/380	3.70/3.80	230/240	2.89/3.01	240/250	3.01/3.14	26.0/27.0	3.3/3.4
	HF26/26	370/380	3.70/3.80	230/240	2.89/3.01	260/270	3.27/3.39	26.0/27.0	3.3/3.4
	HF26/30	385/395	3.85/3.95	260/270	3.27/3.39	300/310	3.77/3.89	26.0/27.0	3.3/3.4
	HF28/26	385/395	3.85/3.95	250/265	3.14/3.33	260/275	3.27/3.45	28.0/30.0	3.5/3.8
	HF28/28	385/395	3.85/3.95	260/270	3.27/3.39	280/290	3.50/3.60	28.0/30.0	3.5/3.8
	HF30/26	395/405	3.95/4.05	250/260	3.14/3.33	260/270	3.27/3.39	30.0/31.5	3.8/3.9
	HF32/17	410/420	4.10/4.20	160/180	2.01/2.26	165/175	2.07/2.20	32.0/33.0	4.0/4.1
	HF32/22	410/420	4.10/4.20	215/225	2.70/2.83	220/230	2.76/2.89	32.0/33.0	4.0/4.1
HF32/25	410/420	4.10/4.20	240/250	3.01/3.14	250/260	3.14/3.27	32.0/33.0	4.0/4.1	