

Ferrite - Sintered

version Dec 2025

Grade	Remanence		Normal coercivity		Intrinsic coercivity		Max. energy product	
	Br		HcB		HcJ		BHmax	
	mT		kA/m		kA/m		kJ/m3	
	min	max	min	max	min	max	min	max
Y8T	200	235	125	160	210	280	6,5	9,5
Y8T-1	220	240	135	175	278	320	8,5	11,1
Y22H	310	360	220	250	280	320	20	24
Y25	360	400	135	170	140	200	22,5	28
Y26H-1	360	390	200	250	225	255	23	28
Y26H-2	360	380	263	288	318	350	24	28
Y27H	350	380	225	240	235	260	25	29
Y28	370	400	175	210	180	220	26	30
Y28H-1	380	400	240	260	250	280	27	30
Y28H-2	360	380	271	295	382	405	26	30
Y30H-1	380	400	230	275	235	290	26	32,5
Y30H-2	395	415	275	300	310	335	27	32
Y32	400	420	160	190	165	195	30	33,5
Y32H-1	400	420	190	230	230	250	31,5	35
Y32H-2	400	440	224	240	230	250	31	34
Y32H-3	400	420	246	269	262	285	29,5	32,6
Y32H-4	400	420	270	293	280	303	30	33,2
Y33	410	430	220	250	225	255	31,5	35
Y33H-1	410	430	250	270	250	275	31,5	35
Y33H-2	410	430	270	303	326	359	30	33,4
Y34	420	440	200	230	205	235	32,5	36
Y34H	420	440	275	310	285	350	34	36,5
Y35	430	450	215	239	217	241	33	38,2

Physical properties at room temperature (20°C)

Temp.Coeff. of Br:	-0.2%/°C (0-100C)	Temp. Coeff. of iHc:	+0.2-0,5%/°C (0-100°C)
Density:	4.5-5.1g/cm³	Electrical resistivity:	
Vickers Hardness:	480-580 Hv	Flexural Strength:	
Tensile strength:		Coeff. of Thermal Expansion:	7 x 10 ⁻⁶ /°C
Specific Heat:		Thermal Conductivity:	
Young's Modulus:		Rigidity:	
Poisson's Ratio:		Compressibility:	>70kgf/mm²
Curie Temperature:	460-480°C		

The maximum operating temperature

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Important notice: Dimensions and shape of the magnet, in combination with required manufacturing processes, may cause the magnetic and physical characteristics to vary from typical values. Therefore, all data presented in this document are for general reference only and should not be relied upon to represent standard characteristics, nor are they guaranteed upon use. Bakker Magnetics reserves the right to change information in this document, including magnet performance standards, specifications, and characteristics without notice.