

Magnetic Properties of Sintered Ferrite Magnets



Grade	Remanence (Br)		Coercivity Force (Hcb)		Intrinsic Coercive		Max. Energy Product (BHmax)		Maximum Operating Temp.
	mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe	
Y10T	≥200	≥2000	≥125	≥1600	≥210	≥2600	≥6.5	≥0.8	250 °C
Y20	≥360	≥3600	≥135	≥1700	≥140	≥1760	≥20.0	≥2.5	250 °C
Y25	≥380	≥3800	≥144	≥1800	≥150	≥1880	≥24.0	≥3.0	250 °C
Y30	≥390	≥3900	≥184	≥2300	≥188	≥2350	≥27.6	≥3.4	250 °C
Y30BH	≥390	≥3900	≥240	≥3000	≥256	≥3200	≥27.6	≥3.4	250 °C
Y35	≥410	≥4100	≥208	≥2600	≥212	≥2660	≥30.4	≥3.8	250 °C

Magnetic Properties of Injection Ferrite Magnets



Grade	Remanence (Br)		Coercivity Force (Hcb)		Intrinsic Coercive		Max. Energy Product (BHmax)		Maximum Operating Temp.	Binder
	mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe		
FePA6-1.7	248-273	2.48-2.73	151-179	1.9-2.25	215-263	2.7-3.3	11.54-15.0	1.45-1.89	150°C	PA6
FePA6-1.8	262-289	2.62-2.89	170-199	2.13-2.51	217-255	2.73-3.21	12.5-15.9	1.57-1.99	150°C	PA6
FePA6-1.9	261-289	2.61-2.89	173-203	2.17-2.55	214-251	2.69-3.15	13.1-16.8	1.65-2.11	150°C	PA6
FePA6-2.1	277-307	2.77-3.07	174-205	2.19-2.57	208-244	2.61-3.07	14.7-18.7	1.85-2.35	150°C	PA6
FePA6-2.2	283-313	2.83-3.13	176-206	2.21-2.59	209-249	2.62-3.14	15.1-19.2	1.89-2.41	150°C	PA6
FePA12-1.4	222-246	2.22-2.46	159-186	2.0-2.34	239-286	3.0-3.6	9.5-12.1	1.20-1.52	120°C	PA12
FePA12-1.8	255-281	2.55-2.81	182-213	2.28-2.68	267-320	3.36-4.02	12.8-16.3	1.61-2.05	120°C	PA12
FePA12-1.9	266-294	2.66-2.94	171-200	2.14-2.52	212-254	2.67-3.19	13.6-17.3	1.71-2.17	120°C	PA12
FePA12-2.1	277-306	2.77-3.06	172-202	2.16-2.54	212-254	2.67-3.19	14.6-18.6	1.84-2.34	120°C	PA12
FePPS-1.8	256-288	2.56-2.88	171-201	2.15-2.53	221-264	2.78-3.32	12.6-16.3	1.58-2.05	180°C	PPS

