

# Sintered AlNiCo

## Sintered AlNiCo Permanent Alloy

### Characteristics:

- 1 Suitable for small volume magnets with complex shape
- 1 Compact crystal, high intensity
- 1 Regular shape, precision size
- 1 Even elements, stable performance
- 1 Suitable for compound magnet
- 1 Excellent temperature stability (temp. coefficient of Br is the smallest among all of the other permanent magnets.)

### Application:

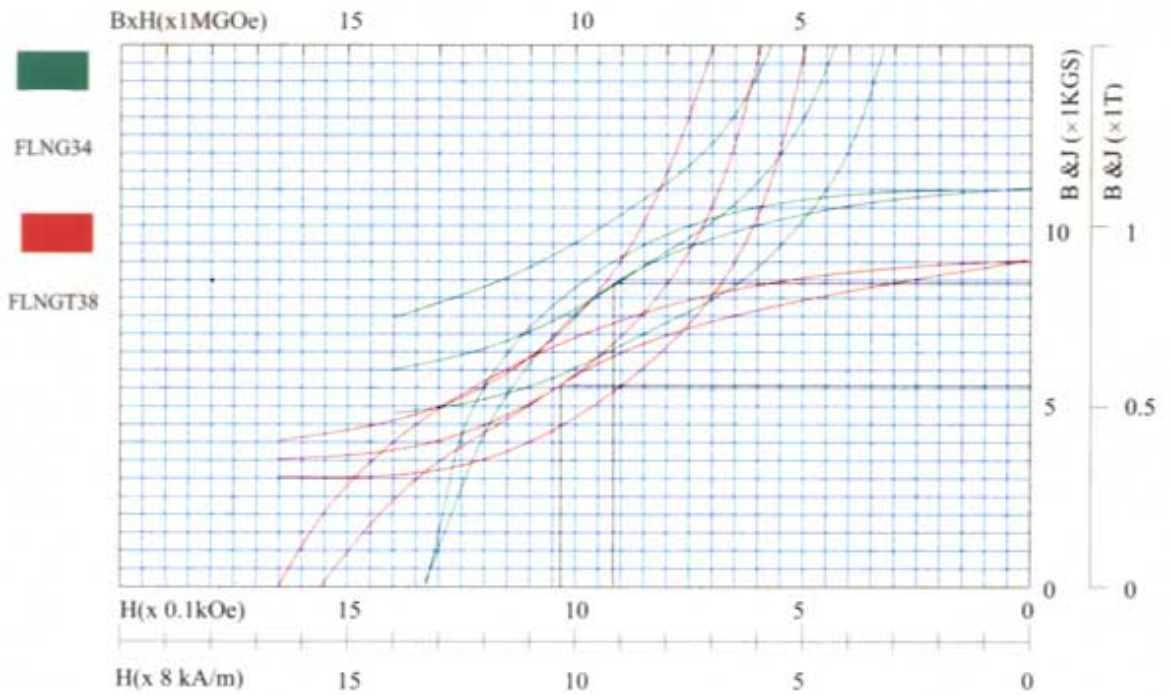
- 1 Inner magnetic voltmeter/ammeter, electronic type power energy measuring instrument, avometer, flow meter
- 1 A wide range of magnetic sensor, polarized relay, temperature and pressure controller
- 1 Buzzer of mobile phone, hearing aids, mini speaker
- 1 Lighter of automobile, odometer of automobile and motorcycle, permanent motor, adsorptive appliance
- 1 Widely applied in high stability fields as aviation, spaceflight and military technology.

### Typical Magnetic Performance Range for Sintered Alnico

Grade	Br		Hc		(BH)max		Tc	Tw	Temp. Coefficient $\alpha(Br)$	MMPA Equivalent	Remark
	mT	KGs	KA/m	Oe	KJ/m3	MGOe	°C	°C	%/°C		
FLN8	550	5.5	42	530	9.0	1.13	760	450	-0.022	[S.Alnico3]	Isotropy
FLNG12	700	7	48	600	12.4	1.55	810	450	-0.014	S.Alnico2	
FLNGT18	580	5.8	90	1130	18.0	2.20	860	450	-0.020	[S.Alnico7]	



### Demagnetization Curve of Sintered AlNiCo Permanent Alloy



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