

China Cast AlNiCo Magnet Manufacturer, Supplier, Factory, Exporter

Positions: Products→Cast AlNiCo Magnet

Ring AlNiCo magnet Material
Block AlNiCo magnet Material
Rod AlNiCo magnet Material
Horseshoe AlNiCo magnet
Cast AlNiCo magnet Material
Special AlNiCo magnet Material

Cast AlNiCo Magnet description: AlNiCo magnets (Cast AlNiCo Magnets - Sintered AlNiCo Magnets), are made up of a composite of aluminum, nickel and cobalt with small amounts of other elements, have good temperature stability, good resistance to demagnetization, high residual induction, and relatively high energies. By strength, they are much weaker than NdFeB magnets, SmCo magnets and Ferrite magnets. Alnico magnets are produced by two typical methods, casting or sintering. Casting delivers higher energy products and allows for the design of intricate shapes. Sintering is usually restricted to smaller sizes and offers slightly lower magnetic properties, but has tighter dimensional tolerances due to its processing. AlNiCo magnets can be produced with either isotropic or anisotropic properties. Alnico 5 and Alnico 8 are anisotropic and exhibit a preferred direction of orientation, Magnetic orientation should be specified on your drawing when you send an order to us. Cast Alnico 5 is the most commonly used of all the cast Alnico's. It combines high indications with a high energy product of 5 MGOe or more and is used extensively in rotation machinery, communications, meters and instruments, sensing devices and holding applications. AlNiCo magnets have wide range of working temperatures, up to 550oC. They have experienced renewed interest in recent years in such temperature-sensitive applications as hall-effect and MR-based automotive and electronic sensors, in addition to the traditional magnetron, TWT amplifiers, actuators, motors and instruments applications that have long relied upon AlNiCo.

Equivalent	Grade	Remanence		Coercive Force		Max.energy product		Density	Rev. Temp. Coef.		Curie Temp.	Max. operating Temp.
		Br	Hc	(BH)max	D	Br	Hc		Tc	Tw		
Class		mT	KGs	KA/M	Oe	KJ/m3	MGOe	g/cm3	%/°C	%/°C	°C	°C
ALNICO 3	LN9	680	6.8	30	380	9.0	1.13	6.9	-0.03	-0.02	810	450
ALNICO 2	LNG12	720	7.2	45	500	12.4	1.55	7.0	-0.03	-0.02	810	450
	LNG13	700	7.0	48	600	12.8	1.60	7.0	-0.03	-0.02	810	450
ALNICO 5	LNG37	1200	12.0	48	600	37.0	4.65	7.3	-0.03	-0.02	810	525
	LNG40	1250	12.5	48	600	40.0	5.00	7.3	-0.02	+0.02	860	525
	LNG44	1250	12.5	52	650	44.0	5.50	7.3	-0.02	+0.02	860	525
ALNICO 5DG	LNG52	1300	13.0	56	700	52.0	6.50	7.3	-0.02	+0.02	860	525
ALNICO 5-7	LNG60	1350	13.5	59	740	60.0	7.50	7.3	-0.02	+0.02	860	525
ALNICO 6	LNGT28	1000	10.0	58	720	28.0	3.50	7.3	-0.02	+0.03	860	525
ALNICO 8HC	LNGT36J	700	7.0	140	1750	36.0	4.50	7.3	-0.025	+0.02	860	550
ALNICO 8	LNGT18	580	5.8	100	1250	18.0	2.20	7.3	-0.025	+0.02	860	550
ALNICO 8	LNGT32	800	8.0	100	1250	32.0	4.00	7.3	-0.025	+0.02	860	550
	LNGT40	800	8.0	110	1380	40.0	5.00	7.3	-0.025	+0.02	860	550
ALNICO 9	LNGT60	900	9.0	110	1380	60.0	7.50	7.3	-0.025	+0.02	860	550

	LNGT72	1050	10.5	112	1400	72.0	9.00	7.3	-0.025	+0.02	860	550
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Ring AlNiCo magnet Material-28UH



Ring AlNiCo magnet Material-45SH



Block AlNiCo magnet Material-N35



Block AlNiCo magnet Material-N38



Block AlNiCo magnet Material-N40



Rod AlNiCo magnet Material-30UH



Rod AlNiCo magnet Material-33UH



Horseshoe AlNiCo magnet-N27



Horseshoe AlNiCo magnet-N35EH



Horseshoe AlNiCo magnet-N38EH



Cast AlNiCo Magnet Material-N38M



Cast AlNiCo Magnet Material-N40M



Cast AlNiCo Magnet Material-N42M



Special AlNiCo Magnet-N35M



Special AlNiCo Magnet-N45M



Special AlNiCo Magnet-N50

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Cast AlNiCo Magnet Related Keywords : Does not have the similar key word temporarily!

Other related category :NdFeB Magnet,Ferrite Magnet,SmCo Magnet,Flexible Magnet,Magnetic Assemblies,Rubber Magnet,

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