



## 美国标准铸造铝镍钴磁性能和物理特性 USA standard Magnetic Characteristics and Physical Properties of Cast AlNiCo

性能	剩磁感应强度		矫顽力		内禀矫顽力		最大磁能积		密度	温度系数	最高工作温度	备注
Properties	Remanence		Coercive Force		Intrinsic Coercive Force		Max. Energy		Density	%change Per C	Max Working Temp.	Remark
牌号	Br		HcB		HcJ		(BH) max				Tw.	
Grade	kGs	mT	Oe	kA/m	Oe	kA/m	KJ/m <sup>3</sup>	MGOe	g/cm <sup>3</sup>	%K	°C	
AlNiCo1	7.2	720	470	37	480	38	11.1	1.4	6.9	-0.03	450	Isotropic
AlNiCo2	7.5	750	560	45	580	46	13.5	1.7	7.1	-0.03	450	Isotropic
AlNiCo3	7	700	480	38	500	40	10.7	1.35	6.9	-0.03	450	Isotropic
AlNiCo5	12.8	1280	640	51	640	51	43.8	5.5	7.3	0.02	525	Anisotropic
AlNiCo5DG	13.3	1330	670	53	670	53	57.7	6.5	7.3	0.02	525	Anisotropic
AlNiCo5-7	13.5	1350	740	59	740	59	59.7	7.5	7.3	0.02	525	Anisotropic
AlNiCo6	10.5	1050	780	62	800	64	31	3.9	7.3	0.02	525	Anisotropic
AlNiCo8	8.2	820	1650	131	1860	148	42.2	5.3	7.3	0.02	550	Anisotropic
AlNiCo8HC	7.2	720	1900	151	2170	173	39.8	5	7.3	0.02	550	Anisotropic
AlNiCo9	10.6	1060	1500	119	1500	119	71.6	9	7.3	0.02	550	Anisotropic

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