

Datasheet of Cast AlNiCo at Room Temperature (铸造铝镍钴磁体的磁性能 (室温))

类别 Item	牌号 Grade	剩磁 Remanence induction		矫顽力 Coercive force		内禀矫顽力 Intrinsic Coercive force		最大磁能积 Maximum Energy product		工作温度 Working Temperature	密度 Density	备注 Remark	
		B_r		H_{cb}		H_{cJ}		$(BH)_{max}$		T_w	ρ		
		T	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe	°C	g/cm ³		
铸造 铝镍钴 Cast AlNiCo	CAINiCo12/5	0.70-0.75	7.0-7.5	48-56	0.6-0.7	52-58	0.65-0.73	11-13	1.4-1.6	≤450	6.8	等轴晶 Isometric crystal	各向异性 Anisotropic
	CAINiCo38/5	1.20-1.25	12.0-12.5	48-56	0.6-0.7	49-57	0.61-0.72	37-40	4.65-5.0	≤550	7.3		
	CAINiCo40/5	1.22-1.26	12.2-12.6	48-56	0.6-0.7	49-57	0.61-0.72	40-44	5.0-5.5	≤550	7.3		
	CAINiCo44/5	1.24-1.28	12.4-12.8	50-56	0.63-0.7	51-57	0.64-0.75	44-48	5.5-6.0	≤550	7.3		
	CAINiCo28/6	1.1-1.2	11.0-12.0	56-64	0.7-0.8	58-66	0.72-0.83	28-32	3.5-4.0	≤550	7.3		
	CAINiCo38/11	0.80-0.85	8.0-8.5	111-121	1.40-1.52	114-125	1.43-1.57	38-42	4.8-5.3	≤550	7.3		
	CAINiCo40/12	0.83-0.90	8.3-9.0	120-127	1.50-1.60	124-136	1.56-1.71	40-44	5.5-6.2	≤550	7.3	柱状晶 Columnar crystal	
	CAINiCo45/13	0.89-0.91	8.9-9.1	122-132	1.53-1.65	126-138	1.58-1.73	44-50	5.5-6.2	≤550	7.3		
	CAINiCo46/15	0.75-0.82	7.5-8.2	152-168	1.91-2.1	160-176	2.0-2.2	44.0-49.6	5.5-6.2	≤550	7.3		
	CAINiCo52/6	1.30-1.33	13.0-13.3	56-64	0.7-0.8	57-65	0.75-0.82	52-56	6.50-7.03	≤550	7.3		
	CAINiCo60/6	1.33-1.37	13.3-13.7	56-64	0.7-0.8	60-68	0.75-0.85	58-62	7.20-7.75	≤550	7.3		
	CAINiCo72/12	1.05-1.1	10.5-11.0	116-124	1.45-1.55	124-132	1.55-1.65	72-80	9-10	≤550	7.3		
CAINiCo80/12	1.10-1.16	11.0-11.6	120-128	1.5-1.6	128-136	1.6-1.7	80-100	10.0-12.5	≤550	7.3			
CAINiCo36/15	0.70-0.75	7.0-7.5	140-160	1.75-2.0	154-172	1.93-2.16	36-45	4.5-5.6	≤550	7.3			