

杭州科德磁业有限公司

HANGZHOU KEDE MAGNETICS COMPONENTS CO., LTD.

中国浙江省杭州市桐庐县樟青塘路168号, 邮编: 311500

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Typical Magnetic Properties of Soft Magnets (软磁典型磁性能表)

铁钴钒软磁合金FeCoV Soft Magnetic Alloy								
牌号	级别	磁感应强度Magnetic induction						矫顽力Coercive
Grade	Level	B400	B800	B1600	B2400	B4000	B8000	Hc
		T(Min)						A/m(Max)
1J21	I	1.8	2.0	2.1	2.3	2.4	—	80
	II	1.8	2.0	2.1	2.3	2.4	—	48
1J22	—	1.6	1.8	2.0	2.1	2.2	2.2	128

铁钴钒磁滞合金FeCoV Magnetic Hysteresis Alloy								
牌号 Grade	半成品种类 Intermediate species	级别Level	B(m): 1.23±0.02T		B(m): 1.36±0.02T		B(m): 1.42±0.02T	
			Hm	Pro (10 ⁵ erg/ cm ³ Hz)	Hm	Pro (10 ⁵ erg/ cm ³ Hz)	Hm	Pro (10 ⁵ erg/ cm ³ Hz)
			(A/m)		(A/m)		(A/m)	
2J4	冷轧带材 Cold rolled strip	I	≤4400	≥1.44	≤4800	≥1.65	≤5200	≥1.85
		II	5174A/m磁场强度中测量			9552A/m磁场强度中测量		
			Br	Hc	Pro	Br	Hc	Pro
			(T)	(A/m)	(10 ⁵ erg/cm ³ Hz)	(T)	(A/m)	(10 ⁵ erg/cm ³ Hz)
		≥1.1	≥3582	≥1.8	≥1.1	≥3582	≥2.6	

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Typical Magnetic Properties of Soft Magnets (软磁典型磁性能表)

铁镍软磁合金FeNi Soft Magnetic Alloy							
牌号 Grade	半成品种类 Intermediate species	级别Level	厚度或直径(mm) Thickness/Diameter (mm)	U _{0.4}	U _m	H _c	B _s
				mH/m(Min)		A/m(Max)	T(Min)
1J50	冷轧带材 Cold rolled strip	II	0.10-0.19	3.8	43.8	12	1.5
			0.20-0.34	4.4	56.3	10.4	
			0.35-0.50	5	65	8.8	
			0.51-1.00	5	50	10	
			1.10-2.50	3.8	44	12	
	热轧(锻)扁材	—	3~22	3.1	31.3	14.4	1.5
	热轧(锻)棒材	—	8~100	3.1	31.3	14.4	1.5
牌号 Grade	半成品种类 Intermediate species	级别Level	厚度或直径(mm) Thickness/Diameter (mm)	U _{0.8}	U _m	H _c	B _s
				mH/m(Min)		A/m (Max)	T(Min)
1J79	冷轧带材 Cold rolled strip	I	0.10-0.19	28	190	1.2	0.75
			0.20-0.34	31	250	1.2	
			0.35-1.00	38	280	1.0	
			1.10-2.50	31	230	1.2	

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铁镍软磁合金FeNi Soft Magnetic Alloy							
牌号 Grade	半成品种类 Intermediate species	级别Level	厚度或直径(mm) Thickness/Diameter (mm)	U _{0.4}	Um	Hc	Bs
				mH/m(Min)		A/m(Max)	T(Min)
1J79	热轧(锻)扁材	—	3~22	25	125	2.4	0.75
	热轧(锻)棒材	—	8~100	25	125	2.4	
1J79C	冷轧带材 Cold rolled strip	—	—	37.5	125	1.6	
1J85	冷轧带材 Cold rolled strip	I	0.20-0.34	50	225	1.2	0.7
			0.35-1.00	62.5	312.5	0.8	
			1.10-2.50	50	187.5	1.2	
			2.51-3.00	43.8	150	1.4	
	热轧(锻)扁材	—	3~22	37.5	125	1.6	
	热轧(锻)棒材	—	8~100	37.5	125	1.6	
1J85C	冷轧带材 Cold rolled strip	—	—	50	125	1.6	0.68
1J95	冷轧带材 Cold rolled strip	—	—	50	125	1.6	0.55

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耐蚀软磁合金Anti-corrosion Soft Magnetic Alloy										
牌号 Grade	磁感应强度Magnetic induction					剩余磁感应强度Remanence induction			Um	Hc
	B240	B400	B800	B2400	B3200	Br240	Br2400	Br3200	mH/m(Min)	A/m(Max)
	T(Min)					T(Max)				
1J117	0.9	—	1.0	—	1.25	—	—	—	—	80
Cr17NiTi	—	0.9	1.0	1.2	—	—	0.95	—	3.75	80
高导磁软磁合金High Permeability Soft Magnetic Alloy										
牌号 Grade	半成品种类 Intermediate species	级别Level	厚度或直径(mm) Thickness/ Diameter (mm)	$U_{0.001}$	Um	Hc	Br			
				mH/m(Min)		A/m(Max)	T(Max)			
S1J81A	冷轧带材 Cold rolled strip	---	---	50	150	1	0.4			
	热轧(锻)棒材	---	---	40	150	1	0.4			