

## 烧结钕铁硼磁钢镀层说明 Available Coatings of Sintered NdFeB Magnets

镀种 Surface	镀层 Coating	厚度 Thickness (Microns)of coating	颜色 Color	抗腐蚀能力 Resistance	盐雾试验 Salt spray test standard (hours)
镍 Nickel	Ni+Ni Ni+Cu+Ni	10-20um	银白色 Bright Silver	好 Excellent Against Humidity	24-48
黑镍 Black Nickel	Ni+Cu+Ni	10-20um	亮黑色 Bright Black	好 Excellent Against Humidity & Salt Spray	48-72
特氟龙 Ni+Teflon	Ni+Teflon	10-15um	黑色 black	好 Excellent Against Salt Spray	1000-1200
环保锌 Cr3+Zinc	ZN C-Zn	5-8um	蓝白色 Bright Blue 彩色 Shining Color	良好 Good Against Salt Spray 好 Excellent Against Salt Spray	16-48 24-72
锡 Tin	Ni+Cu+Ni+Sn	10-25um	银色 Silver	极好 Superior Against Humidity	48-72
金 Gold	Ni+Cu+Ni+Au	6-10um	金色 Gold	极好 Superior Against Humidity	——
银 Ag	Ni+Cu+Ni+Ag	6-10um	银色 Silver	极好 Superior Against Humidity	——
环氧 Epoxy	Epoxy Ni+Cu+Epoxy ZN+Epoxy	10-25um	黑色、灰色 Black、Grey	好 Excellent Against Humidity & Salt Spray	24-48 48-72 48-72
钝化、磷化 Passivation、 Phosphated	——	1-2um	银灰色 Silver Grey	临时保护 Temporary Protection	——
化学镍 Electroless Nickel	Electroless Nickel	4-8um	银白色 Bright Silver	极好 Superior Against Humidity	>72

1.因电镀工艺不同，盐雾效果有所不同。

There is different salt spray test results,if the plating technology is different.

2.滚镀(小产品)的盐雾试验效果一般好于挂镀产品(大尺寸产品)

Salt spay test results,which is plated by Grinding(Small size Magnets),is better than the one,which is coated by Hanging up(Big size Magnets)

## 磁性能参数及换算表 Magnetic Parmeter and Conversion Table

参数及表示	Unit and Symbol	国际单位 SL-units	单位换算 Conversion Table
磁感应强度 B	Flux density B	T(Tesla)	1T=10kGs
磁极化强度 J	Polarzation J	T(Tesla)	1T=10kGs
磁场强度 H	Magnetic field intensity H	KA/M	1KA/m=12.570e
磁积能(BH)m	Energy density(BH)m	--	1KJ/m <sup>3</sup> =0.126MGOe
磁通Φ	Magnetic flux Φ	Wb(Weber)	1WB=10 <sup>8</sup> MX