



烧结钕铁硼镀层 Sintered NdFeB Magnet Coating

镀种 Coating Type	镀层 Coating	镀层厚度 Thicknes of coating	颜色 Color	压力试验 PCT	盐雾试验 Salt Spray Test
镍 Nickel	Ni+Ni Ni+Cu+Ni	10-20μm	银白色 Bright Silver	24-72 hours	24-72 hours
环保锌 Cr ³ +Zn	C-Zn 彩锌 Zn 蓝白锌	5-8μm	彩色 Shining colour 蓝白色 Bright blue	-	36-72 hours 16-48 hours
环氧 Epoxy	Epoxy Ni+Cu+Epoxy Zn+Epoxy	10-20μm 15-30μm 15-25μm	黑色,灰色 Black, Grey	-	48 hours 72-108 hours 72-108 hours
钝化/磷化 Passivation/phosphorization	-	1-3μm	银灰色,黑灰色 Silver grey, Dark grey	-	-
黑镍 Black Nickel	Ni+Cu+Ni	10-20μm	亮黑色 Bright Black	48 hours	48-96 hours
锡 Sn	Ni+Cu+Ni+Sn	10-25μm	银色 Silver	48 hours	36-72 hours
金 Au	Ni+Cu+Ni+Au	10-15μm	金色 Gold	48 hours	12 hours
银 Ag	Ni+Cu+Ni+Ag	10-15μm	银色 Silver	48 hours	12 hours
有机铝		6-20μm	暗银色 darkish silver	48 hours	288 hours
真空镀铝		10-30μm	银白色 Bright Silver	48 hours	288 hours

1. 表格中盐雾试验时间是经过特殊工艺处理后的时间；客户有盐雾试验时间要求，下单时则需要特殊注明，否则按常规工艺处理镀层。

2. 因电镀工艺不同，盐雾试验效果有所不同。滚镀（小尺寸）产品的盐雾试验效果一般好于挂镀（大尺寸）产品

3. 盐雾试验（SST）条件：5%的氯化钠，35℃温度，连续喷雾一定小时后，镀层表面是否有腐蚀物

4. 压力试验（PCT）条件：2个大气压，95%相对湿度，121℃温度时，检验镀层的结合力。镀锌，磷化，钝化和环氧不做压力试验

5. 镀层质量的检测方法：跌落试验，划格试验，激冷激热试验，恒温恒湿试验等等

1. The time for salt spray test in the table is obtained after some special process. We make magnet coating by conventional process unless otherwise specified.

2. The SST result will be different due to different electroplating process. SST result of barrel plating (small size) product is better than rack plating (large size) product.

3. Salt Spray Test (SST) test condition: 5% NaCl, 35℃, continuously spray after a certain time, check the corrosion on the product surface.

4. Pressure Cooking Test (PCT) test condition: 2 atm, 95% RH(relative humidity), 121℃, then test the coating adhesion. The products with coating Zn, passivation/phosphorization, or epoxy are not suitable for PCT.

5. The methods for coating quality test: drop test, cross cut test, heating and chilling test, constant temperature and humidity test etc.

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