

烧结钕铁硼NdFeB磁铁磁性能标准参数表 Characteristic Magnetic Properties of Sintered Nd Fe B Magnets

牌号 Grade NO.	剩磁感应强度 Remanence Flux Density (Br) (KGs)	矫顽力 Coercive Force KA/ m(KOe)	内禀矫顽力Intrinsic Coercive Force iHC KA/ m(M G Oe)	最大磁能积 Max Energy Product (BH)max KJ/M³(MAOE)	最高工作温度 Max Work Temperature °C
N33	1140-1220(11.4-12.2)	≥ 843(≥ 10.6)	≥ 955(≥ 12.0)	247-279(31-35)	80
N35	1180-1250(11.8-12.5)	≥ 859(≥ 10.8)	≥ 955(≥ 12.0)	263-295(33-37)	80
N38	1230-1300(12.3-13.0)	≥ 859(≥ 10.8)	≥ 955(≥ 12.0)	287-318(36-40)	80
N40	1260-1320(12.6-13.2)	≥ 875(≥ 11.0)	≥ 955(≥ 12.0)	303-334(38-42)	80
N42	1300-1350(13.0-13.5)	≥ 875(≥ 11.0)	≥ 955(≥ 12.0)	318-350(40-44)	80
N45	1320-1380(13.2-13.8)	≥ 836(≥ 11.5)	≥ 976(≥ 12.0)	342-366(42-46)	80
N48	1380-1420(13.8-14.2)	≥ 836(≥ 10.5)	≥ 876(≥ 11.0)	366-390(46-49)	80
N50	1420-1460(14.2-14.6)	≥ 836(≥ 10.5)	≥ 876(≥ 11.0)	374-406(47-51)	80
N35M	1180-1250(11.8-12.5)	≥ 875(≥ 11)	≥ 1114(≥ 14.0)	263-295(33-37)	100
N38M	1230-1300(12.3-13.0)	≥ 915(≥ 11.5)	≥ 1114(≥ 14.0)	287-318(36-40)	100
N40M	1260-1320(12.6-13.2)	≥ 939(≥ 11.8)	≥ 1114(≥ 14.0)	303-334(38-42)	100
N42M	1290-1350(12.9-13.5)	≥ 955(≥ 12.0)	≥ 1114(≥ 14.0)	318-350(40-44)	100
N45M	1320-1380(13.2-13.8)	≥ 963(≥ 12.1)	≥ 1114(≥ 14.0)	334-366(42-46)	100
N48M	1370-1430(13.7-14.3)	≥ 971(≥ 12.2)	≥ 1114(≥ 14.0)	358-390(45-49)	100

N33H	1130-1170(11.3-11.7)	≥ 836(≥ 10.5)	≥ 1353(≥ 17.0)	247-271(31-34)	120
N35H	1170-1210(11.7-12.1)	≥ 868(≥ 10.9)	≥ 1353(≥ 17.0)	263-287(33-36)	120
N38H	1210-1250(12.1-12.5)	≥ 899(≥ 11.3)	≥ 1353(≥ 17.0)	287-310(36-39)	120
N40H	1240-1280(12.4-12.8)	≥ 923(≥ 11.6)	≥ 1353(≥ 17.0)	302-326(38-41)	120
N42H	1280-1320(12.8-13.2)	≥ 955(≥ 12.0)	≥ 1353(≥ 17.0)	318-342(38-41)	120
N48H	1370-1430(13.7-14.3)	≥ 1091(≥ 12.8)	≥ 1353(≥ 17.0)	358-390(45-49)	120
N33SH	1130-1170(11.3-11.7)	≥ 844(≥ 10.6)	≥ 1592(≥ 20.0)	247-272(31-34)	150
N35SH	1170-1210(11.7-12.1)	≥ 876(≥ 11.0)	≥ 1592(≥ 20.0)	263-287(33-36)	150
N38SH	1210-1250(12.1-12.5)	≥ 907(≥ 11.4)	≥ 1592(≥ 20.0)	287-310(36-39)	150
N40SH	1240-1280(12.4-12.8)	≥ 939(≥ 11.8)	≥ 1592(≥ 20.0)	302-326(38-41)	150
N42SH	1290-1380(12.9-13.8)	≥ 955(≥ 12)	≥ 1592(≥ 20.0)	318-350(40-44)	150
N30UH	1080-1170(10.8-11.7)	≥ 812(≥ 10.2)	≥ 1990(≥ 25.0)	223-255(28-32)	180
N33UH	1140-1220(11.4-12.2)	≥ 852(≥ 10.7)	≥ 1990(≥ 25.0)	247-279(31-35)	180
N35UH	1180-1250(11.8-12.5)	≥ 875(≥ 11.0)	≥ 1990(≥ 25.0)	263-295(33-37)	180
N38UH	1230-1300(12.3-13.0)	≥ 923(≥ 11.6)	≥ 1990(≥ 25.0)	287-318(36-40)	180
N40UH	1260-1320(12.6-13.2)	≥ 939(≥ 11.8)	≥ 1990(≥ 25.0)	303-334(38-42)	180
N28EH	1040-1090(10.4-10.9)	≥ 780(≥ 9.80)	≥ 2338(≥ 30.0)	207-231(26-29)	200
N30EH	1080-1130(10.8-11.3)	≥ 812(≥ 10.2)	≥ 2338(≥ 30.0)	223-255(28-31)	200
N33EH	1080-1130(11.4-12.2)	≥ 851(≥ 10.7)	≥ 2338(≥ 30.0)	247-279(31-33)	200
N35EH	1080-1130(11.8-12.5)	≥ 875(≥ 11)	≥ 2338(≥ 30.0)	263-295(33-35)	200

备注: 1. 以上磁性能参数和物理特性参数均是在室温下的数据。
 2. 最大工作温度依赖于磁体的长径比、涂层和环境因素。
 3. 密度7.4-7.5g/cm³

Remark: 1. The above-mentioned data of magnetic parameters and physical characteristic are tested at room temperature.

2. The maximum working temperature of magnets is changeable due to the ratio length and diameter and environmental factors.

3. The density of 7.4 7.5 g/cm³

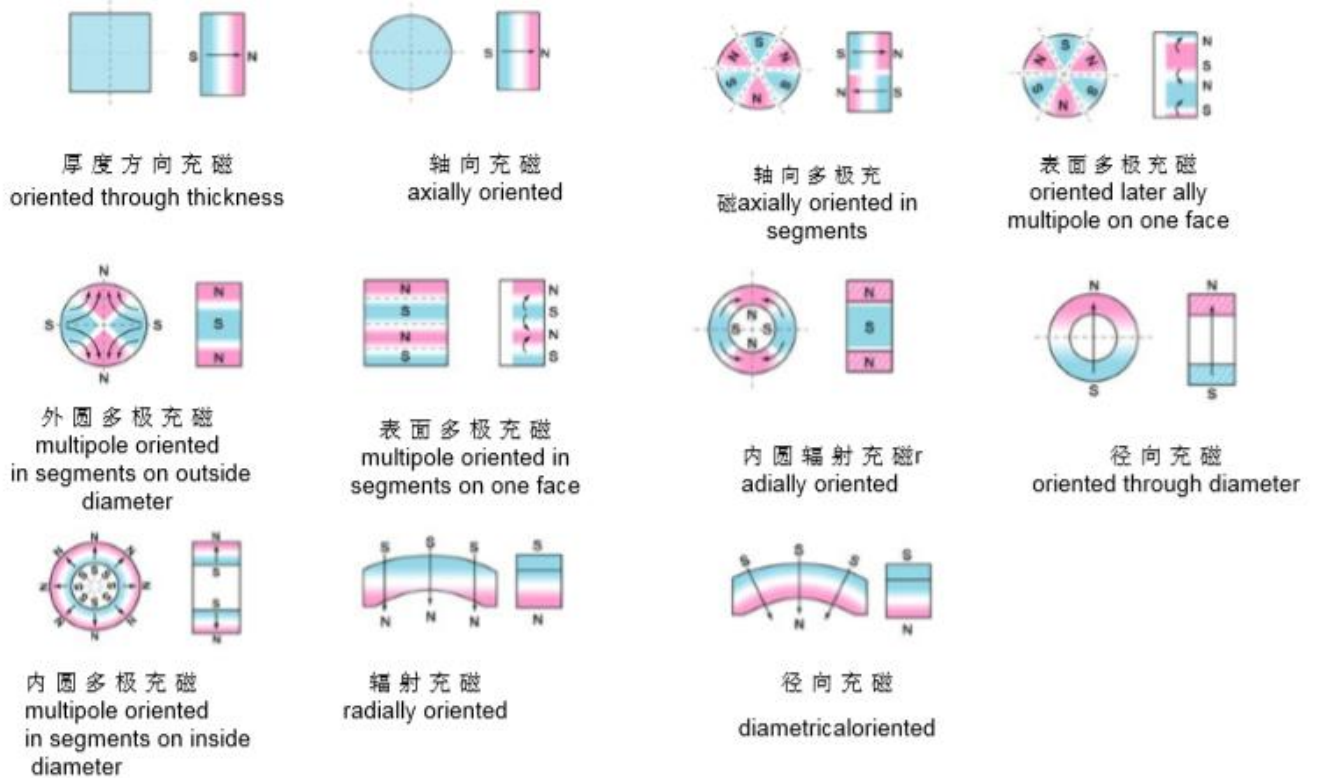
NEOPRO RARE EARTH & MAGNETS

NEOPRO 烧结 NdFeB 永磁材料退磁曲线

Demagnetization curves of sintered magnets



充磁方向 Directions of Magnetization



产品表面防护镀层Surface Protection

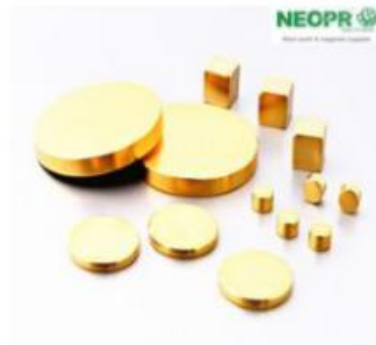
烧结永磁钕铁硼磁铁因其粉末烧结工艺造成材料构成的特殊性，具有高磁化强度，需要进行电镀防护处理，以达到产品外观美观和防腐蚀性。防护镀层均符合ROSH标准。

Sintered permanent magnet ndfeb magnets because of the particularity of powder sintering process due to material composition, high intensity of magnetization, electroplating protective treatment is required, in order to achieve the product appearance is beautiful and anticorrosive. Protective coating meet ROHS standards.

防护层	颜色	镀层厚度 (μm)	温度°C	盐雾测试	备注
锌Zn	亮银/蓝/彩	10-20	≤160	>48小时	适用多数产品
镍Ni	亮银/黑	10-30	≤200	>48小时	适用多数产品
镍铜镍NiCuNi	亮银	20-30	≤200	>72小时	耐腐蚀，耐湿
环氧树脂 Epoxy	黑色	10-30	≤120	>96小时	耐腐蚀，耐湿
化学镍	暗银	5-30	≤200	>200小时	耐腐蚀，耐湿
喷涂铝Lv	银白色	10-30	≤400	>200小时	附着力佳
派瑞林 Parylene	透明	5-30	≤200	>72小时	附着力佳
金Gold	金色	10-20	≤160	>48小时	耐腐蚀，耐湿



镀镍Ni



镀金gold



镀环氧树脂Epoxy