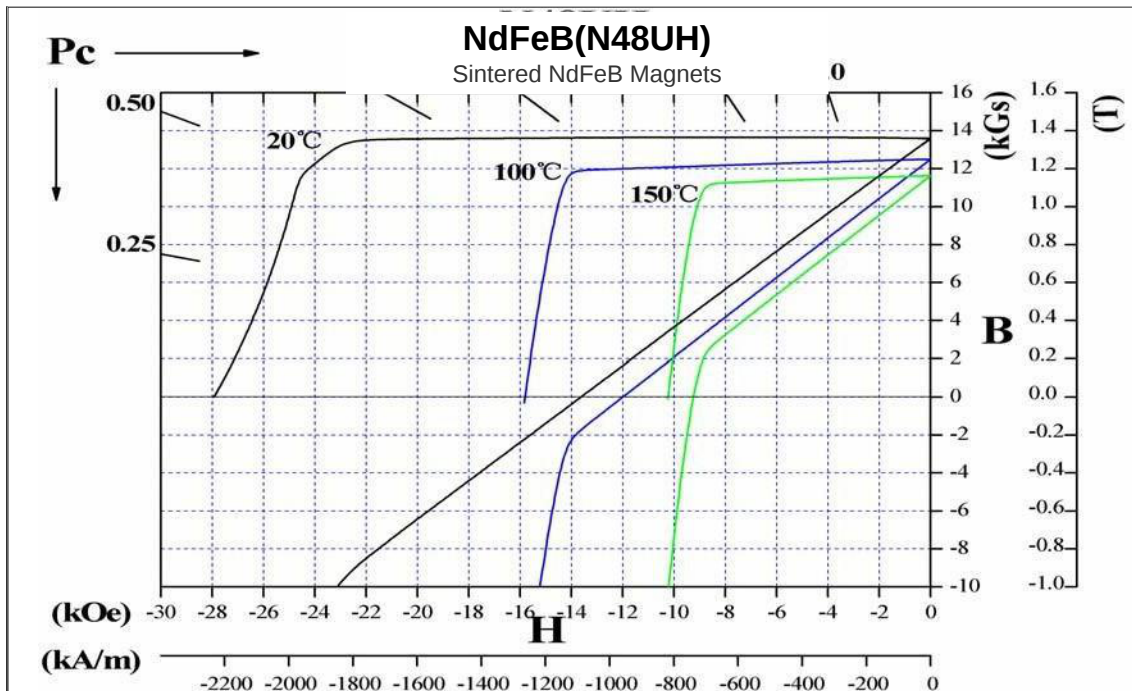




| N48UH                       |                                          | 单位<br>Units       | 最小值<br>Min | 典型值<br>Typical values |
|-----------------------------|------------------------------------------|-------------------|------------|-----------------------|
| 磁性参数<br>Magnetic parameters | 剩磁.Br<br>Residual Induction              | KGs               | 13.7       | 13.9                  |
|                             |                                          | T                 | 1.37       | 1.39                  |
|                             | 磁感应矫顽力.HcB<br>Coercivity                 | KOe               | 12.6       | 13.6                  |
|                             |                                          | KA/m              | 1003       | 1082                  |
|                             | 内禀矫顽力.HcJ<br>Intrinsic Coercivity        | KOe               | 25         | >25                   |
|                             |                                          | KA/m              | 1989       | >1989                 |
|                             | 最大磁能积.(BH) max<br>Maximum Energy Product | MGOe              | 46         | 47                    |
|                             |                                          | KJ/m <sup>3</sup> | 366        | 375                   |
|                             | 剩磁温度系数.α (Br)<br>of Induction, α(Br)     | %/°C              |            | -0.11                 |
|                             | 矫顽力温度系数.α (Hcj)<br>of Coercivity, α(Hcj) | %/°C              |            | -0.49                 |

| N48UH                                                         |                                                      | 单位<br>Units                      | 平行于磁化方向<br>C// | 垂直于磁化方向<br>C⊥ |
|---------------------------------------------------------------|------------------------------------------------------|----------------------------------|----------------|---------------|
| 机械物理性能参数<br>Mechanical and physical<br>performance parameters | 热膨胀系数 (20~100°C)<br>Coefficient of Thermal Expansion | 10 <sup>-6</sup> /K              | 4~9            | -2~0          |
|                                                               | 居里温度<br>Curie Temperature, Tc                        | °C                               | ~310           |               |
|                                                               | 杨氏模量<br>Young Modulus                                | 10 <sup>9</sup> N/m <sup>2</sup> | 150~200        |               |
|                                                               | 抗弯强度<br>Flexural Strength                            | Mpa                              | 150~400        |               |
|                                                               | 抗压强度<br>Compressive Strength                         | Mpa                              | 1000~1100      |               |
|                                                               | 电阻率<br>Electrical Conductivity                       | μ Ω.m                            | 1.2~1.6        |               |
|                                                               | 密度<br>Density                                        | g/cm <sup>3</sup>                | 7.45~7.70      |               |
|                                                               | 维氏硬度<br>Hardness, Vickers                            | HV                               | 500~700        |               |

注：1、客户有特殊要求，按客户要求。居里温度、温度系数只作为参考依据，不作为判定依据。

Curie temperature and temperature coefficient are for reference only, but not as inspection base.

2、上面所示的材料数据和退磁曲线代表典型的属性。由于产品形状和大小可能不同。

The material data and demagnetization curves shown above represent typical properties that may vary due to product shape and size.

3、用户对磁体的磁性能有特殊要求的，由供需双方商定的技术协议执行。

The user can have a special requirement on the magnets, magnetic, performed by the supply and demand both sides agreed on the technical agreement.