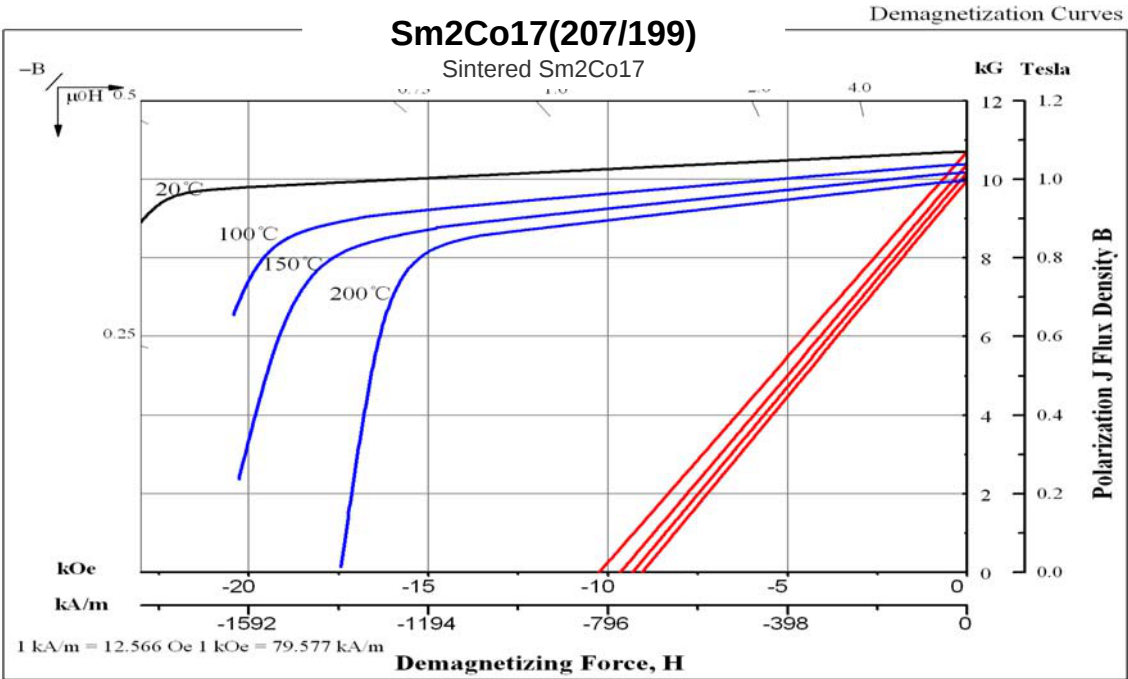




| Sm2Co17 (207/199)           |                                          | 单位<br>Units       | 最大值<br>Max | 最小值<br>Min | 典型值<br>Typical values |
|-----------------------------|------------------------------------------|-------------------|------------|------------|-----------------------|
| 磁性参数<br>Magnetic parameters | 剩磁.Br<br>Residual Induction              | KGs               | 10.8       | 10.4       | 10.7                  |
|                             |                                          | T                 | 1.08       | 1.04       | 1.07                  |
|                             | 磁感应矫顽力.HcB<br>Coercivity                 | KOe               | 9.5        |            |                       |
|                             |                                          | KA/m              | 756        |            |                       |
|                             | 内禀矫顽力.HcJ<br>Intrinsic Coercivity        | KOe               | 25         |            |                       |
|                             |                                          | KA/m              | 1990       |            |                       |
|                             | 最大磁能积.(BH) max<br>Maximum Energy Product | MGOe              | 29         | 26         | 27                    |
|                             |                                          | KJ/m <sup>3</sup> | 231        | 207        | 215                   |
|                             | 剩磁温度系数.α (Br)<br>of Induction, α(Br)     | %/℃               | -0.03      |            |                       |
|                             | 矫顽力温度系数.α (Hcj)<br>of Coercivity, α(Hcj) | %/℃               | -0.2       |            |                       |

| Sm2Co17 (207/199)                                          |                                                     | 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 performance parameters | 热膨胀系数 (20~200℃)<br>Coefficient of Thermal Expansion | E-6/K       | 7~9            | 10~13         |
|                                                            | 工作温度<br>Working temperature                         | ℃           | 350            |               |
|                                                            | 居里温度<br>Curie Temperature, Tc                       | ℃           | 820            |               |
|                                                            | 抗弯强度<br>Flexural Strength                           | Mpa         | 100            |               |
|                                                            | 抗压强度<br>Compressive Strength                        | Mpa         | 700            |               |
|                                                            | 杨氏模量<br>Young's Modulus                             | Gpa         | 2.4            |               |
|                                                            | 密度<br>Density                                       | g/cm3       | 8.3~8.5        |               |
|                                                            | 维氏硬度<br>Hardness, Vickers                           | Hv          | 550            |               |
|                                                            |                                                     |             |                |               |

- 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.