

**钐钴的物理特性 Physical Properties of SmCo**

项目 Item	单位 Unit	Sm1Co5 参数范围 Standard Data	Sm2Co17 参数范围 Standard Data
密度 Density	g/cm ³	8.3	8.4
居里温度 Curie Temperature	K	1000	1100
抗压强度 Compressive Strength	N/mm ²	1000	1000
抗弯强度 Bending Strength	N/mm ²	150-180	130-150
拉伸强度 Tensile Strength	N/mm ²	400	350
维氏硬度 Vickers hardness		150-500	500-600
热膨胀系数 (20 to 200°C) coefficient of thermal expansion	10 ⁻⁶ /k	// 7 ± 15	// 11 ± 13
比热 Specific Heat	J/(Kg.K)	370	350
热导率 Thermal Conductivity	W/(m.K)	11	10
电阻率 Resistivity	Ω.cm	5~6×10 ⁻⁵	8~9×10 ⁻⁵
杨氏模量 Young's Modulus	MPa	~1.3×10 ⁵	~2.0×10 ⁵
弹性模量 Elasticity Modulus	MPa	~1.59×10 ⁵	~1.17×10 ⁵

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