

38-7 带材

数据表

Typical applications for 38-7 include use as resistance strip or as a low expansion component in bimetal thermostats, for example in gas and electric stoves. Its low thermal expansion also makes it useful as structural material where low temperature sensitivity is required, for example as frames for measuring systems, or for parts in mechanical watches.

CHEMICAL COMPOSITION

	Mn %	Ni %	Cr %	Fe %
Nominal composition	0.40	38	6.6	Bal.

MECHANICAL PROPERTIES

Hardness, Vickers: 120

PHYSICAL PROPERTIES

Density g/cm ³	8.1
Electrical resistivity at 20°C, Ω mm ² /m	0.95

COEFFICIENT OF THERMAL EXPANSION

Temperature range	Thermal Expansion x 10 ⁻⁶ / K
30 - 130 °C	6.9

免责声明: 建议仅供参考, 针对特定应用场合的材料适用性我们需要了解实际使用条件后才能予以确认。因不断研发而导致的产
品技术数据更改不作另行通知。该数据表仅适用于 Kanthal 材料。