

NSSC SERIES

FERRITIC



High-Formability Ferritic Heat-Resistant Steel

NSSC 409L

11Cr-0.2Ti-LC / Similar grade : SUH 409L

Features and Applications

NSSC 409L is an improved workability and weldability grade of Ti-containing 11 Cr heat-resistant steel such as ASTM TP 409 and SUH 409.

1. Excellent oxidation resistance in high temperatures up to around 750°C.
2. Extra-low carbon ferritic structure, and excellent in workability and weldability compared with conventional similar grades.

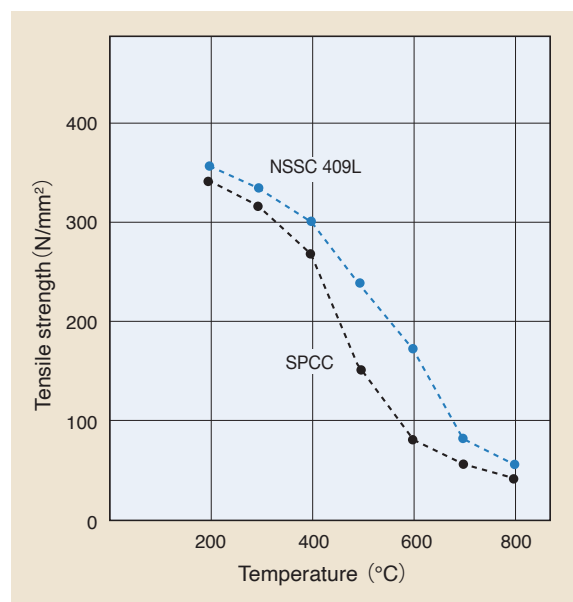
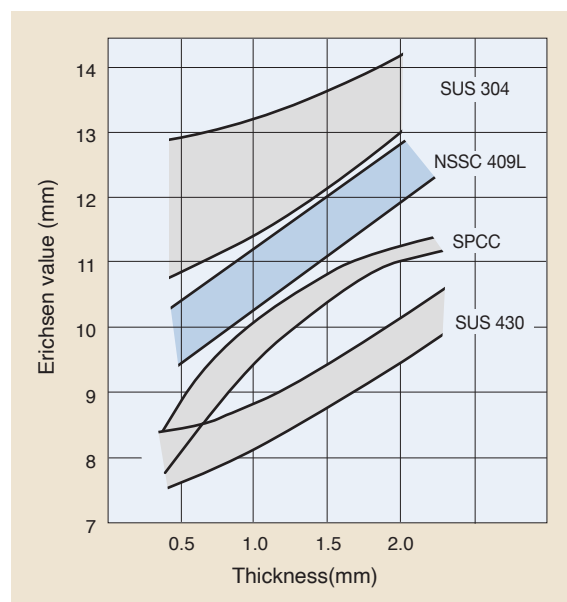
[Applications] Automotive exhaust systems (front pipes, converters, mufflers, etc.), Equipment requiring oxidation resistance, such as heat exchangers or others, Farm machinery, Transformer cases

Characteristics

[Mechanical properties]

(Thickness:1.2mm)

	Yield strength 0.2% offset N/mm ²	Tensile strength N/mm ²	Elongation %	Hardness HV
Specification	≥175	≥360	≥25	≤180
Typical values	233	420	36	132

[High-temperature strength]

[Stretchability]


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