
SUS310S

Stainless steel

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Alloys : SUS310S (Stainless steel)

SUS310S is classified as austenitic stainless steel and is a general-purpose heat-resistant stainless steel.

It is used for combustion chamber parts, combustion appliances, furnace parts, etc. It is resistant to repeated heating at about 1000°C.

Electrical Resistivity [$\mu\Omega\text{m}$]	Thermal Expansion Coefficient $\times 10^{-6}/$	Specific Heat $\text{J/g}\cdot\text{K}$ (20°C)	Melting Point °C
0.78	14.4	7.98	1400

Chemical Composition	C	Ni	Cr	Mo	Si	Mn	P	S
(%)	≤ 0.08	19.0~22.0	24.0~26.0	—	≤ 1.50	≤ 2.00	≤ 0.045	≤ 0.030

Alloys	Type	Diameter (mm)	
SUS310S	Wire	$\phi 6.00 \sim 0.020$	
	Ribbon	$t = 2.90 \sim 0.05$	$w = 40 \sim 0.2$ (Depends on thickness)