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# SUS316L

## Stainless steel

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# Alloys : SUS316L (Stainless steel)

SUS316L is classified as an austenitic stainless steel (16-18Cr-10-14Ni), and by adding molybdenum (Mo: 2-3%), it has better corrosion resistance than SUS304, even under high concentration of hydrochloric acid solution such as seawater. SUS316L is low carbon steel and has excellent hardening workability.

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
0.77	16.0	7.98	1370

Chemical Composition	C	Ni	Cr	Mo	Si	Mn	P	S
(%)	$\leq 0.03$	12.0~15.0	16.0~18.0	2.0~3.0	$\leq 1.00$	$\leq 2.00$	$\leq 0.045$	$\leq 0.030$

Alloys	Type	Diameter (mm)	
SUS316L	Wire	$\phi 6.00 \sim 0.020$	
	Ribbon	$t=2.90 \sim 0.05$	$w=40 \sim 0.2$ (Depends on thickness)