

304L stainless steel plate: 304L stainless steel panel , 304L stainless steel 8K plate

Chemical Composition of 304L stainless steel plate:

Grade	C %	Si %	Mn %	P %	S %	Cr %	Ni %
00Cr19Ni10 (0Cr18Ni10)	≤ 0.03	≤ 1.0	≤2.00	≤0.035	≤0.03	18-20	9-13

Properties of 304L stainless steel plate:

Tensile Strength	N/mm ²	≥520
Yield Strength	N/mm ²	≥205
Elongation	%	≥40
Hardness	HB	≤187
	HRB	≤90
	HV	≤200
Density	<i>g / cm³</i>	7.93
Specific Heat	J / g °C	0.502c (20°C)
Heat Conductivity	W/m°C	12.1 (20°C)
		16.3 (100°C)
		21.4 (500°C)
Linear Expansivity	$\alpha/(10^{-6}/^{\circ}\text{C})$	16 (20-100)
		16.8 (20-200)
		17.5 (20-300)
		18.1 (20-400)
Resistivity		0.73 $\Omega^* \text{mm}^2 / m$
Melting Point	°C	1398-1420
Application		

The distinctive feature uses of 304L stainless steel is corrosion-resistant, concentrated nitric acid and dilute nitric acid on the inherent corrosion resistance. This performance can easily make it from most other metals or alloys to be distinguished. However, high carbon steel 304 and 304L during the nitric acid test is slightly affected by corrosion. Non-ferrous metals will immediately be corroded once encounter concentrated nitric acid. The nitric acid has a strong corrosion on

carbon steel.