

Stainless Steel (inc. High Performance) - 1.4404 / 316L

Sheet No8 Marine

Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical Composition %
No.8 marine polish + laser coating 1 side		Carbon (C)	0.0 - 0.03
No.8 marine polish + laser coating 2 sides		Chromium (Cr)	16.50 - 18.50
2000 x 1000 x 0.7	11.20	Molybdenum (Mo)	2.0 - 2.5
2500 x 1250 x 0.7	17.50	Silicon (Si)	0.0 - 1.0
2000 x 1000 x 0.9	14.40	Phosphorus (P)	0.0 - 0.05
2500 x 1250 x 0.9	22.50	Sulphur (S)	0.0 - 0.01
2000 x 1000 x 1.2	19.20	Nickel (Ni)	10.0 - 13.0
2500 x 1250 x 1.2*	30.00	Manganese (Mn)	0.0 - 2.0
2000 x 1000 x 1.5	24.00	Iron (Fe)	Balance
2500 x 1250 x 1.5*	37.50	Above properties are for 1.4404	
3000 x 1500 x 1.5	54.00	1.4404/316L also corresponds to the following designation 316S11	
2000 x 1000 x 2.0	32.00	Mechanical Properties	
2500 x 1250 x 2.0*	50.00	Property	Value
3000 x 1500 x 2.0	72.00	Properties below are for 1.4404 (316L) which also corresponds to 316S11	
2500 x 1250 x 2.5*	62.50	Proof Stress	220 min MPa
2000 x 1000 x 3.0	48.00	Tensile Strength	520 - 680 MPa
2500 x 1250 x 3.0*	75.00	Elongation A50 mm	40% min
3000 x 1500 x 3.0*	108.00	Physical Properties	
2500 x 1250 x 4.0*	100.00	Property	Value
2500 x 1250 x 5.0*	125.00	Density	8.00 g/cm ³
2500 x 1250 x 6.0*	150.00	Melting Point	1400°C
		Thermal Expansion	15.9 x 10 ⁻⁶ /K
		Modulus of Elasticity	193 GPa
		Thermal Conductivity	16.3 W/m.K
		Electrical Resistivity	0.074 x 10 ⁻⁶ Ω.m
		1.4404/316L also corresponds to the following designation 316S11	

Disclaimer

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