

# Stainless Steel (inc. High Performance) - 1.4307 / 304L

## Sheet Dull Polish 240S

## Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical Composition %
Dull Polish 240S Silicon + Laser Coating 1 side		Carbon (C)	0.0 - 0.03
		Chromium (Cr)	17.5 - 19.5
*: Dull polish 240S Silicon + laser coating 2 sides		Manganese (Mn)	0.0 - 2.0
2000 x 1000 x 0.7	11.20	Silicon (Si)	0.0 - 1.0
2500 x 1250 x 0.7	17.50	Phosphorus (P)	0.0 - 0.05
2000 x 1000 x 0.9	14.40	Sulphur (S)	0.0 - 0.02
2500 x 1250 x 0.9*	22.50	Nickel (Ni)	8.0 - 10.50
3000 x 1500 x 0.9*	32.40	Iron (Fe)	Balance
2000 x 1000 x 1.0	16.00	Above properties are for 1.4307	
2500 x 1250 x 1.0*	25.00	1.4307/304L also corresponds to the following designation 304S11	
3000 x 1500 x 1.0	36.00		
2000 x 1000 x 1.2*	19.20	Mechanical Properties	
2500 x 1250 x 1.2*	30.00	Property	Value
3000 x 1500 x 1.2	43.20	Tensile Strength	500 to 670 MPa
2000 x 1000 x 1.5	24.00	Elongation	45% min
2500 x 1250 x 1.5*	37.50	Compressive Strength	200 MPa
3000 x 1500 x 1.5	54.00	Above properties are for 1.4307	
2000 x 1000 x 2.0	32.00	1.4301/304 also corresponds to the following designation 304S11	
2500 x 1250 x 2.0*	50.00		
3000 x 1500 x 2.0	72.00	Physical Properties	
2000 x 1000 x 2.5	40.00	Property	Value
2500 x 1250 x 2.5	62.50	Density	8.00 g/cm <sup>3</sup>
3000 x 1500 x 2.5	90.00	Melting Point	1450°C
2000 x 1000 x 3.0	48.00	Thermal Expansion	17.2 x 10 <sup>-6</sup> /K
2500 x 1250 x 3.0*	78.00	Modulus of Elasticity	193 GPa
3000 x 1500 x 3.0	108.00	Thermal Conductivity	16.2 W/m.K
2000 x 1000 x 4.0	64.00	Electrical Resistivity	0.072 x 10 <sup>-6</sup> Ω.m
2500 x 1250 x 4.0	100.00	1.4307/304L also corresponds to the following designation 304S11	
3000 x 1500 x 4.0	144.00		
2000 x 1000 x 5.0	80.00		
2500 x 1250 x 5.0	125.00		
3000 x 1500 x 5.0	180.00		
2000 x 1000 x 6.0	96.00		
2500 x 1250 x 6.0	150.00		

## Disclaimer

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