

Stainless Steel (inc. High Performance) - 1.4541 / 321

Sheet 2B Finish

Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical Composition %
2500 x 1250 x 0.9	24.00	Carbon (C)	0.08 max
2500 x 1250 x 1.2	22.50	Manganese (Mn)	2.00
2000 x 1000 x 1.5	30.00	Silicon (Si)	0.75
2500 x 1250 x 1.5	37.50	Phosphorus (P)	0.045
2500 x 1250 x 2.0	50.00	Sulphur (S)	0.03
2500 x 1250 x 2.5	62.50	Chromium (Cr)	17.0 - 19.0
2500 x 1250 x 3.0	75.00	Nickel (Ni)	9.0 - 12.0
		Nitrogen (N)	0.1
		Others	Ti=5(C+N) min 0.70 max
Mechanical Properties			
		Property	Value
		Proof Stress	205 MPa min
		Tensile Strength	515 MPa min
		Elongation	40% min
		Hardness Brinell	201 HB max
Physical Properties			
		Property	Value
		Density	7.9 g/cm ³
		Modulus of Elasticity	200 N/mm ²
		Thermal Conductivity	14.6 W/m.K
		Specific Heat	500 J/g.K
		Specific Electric Resistance	0.73 Ω.mm ^{2/m}

Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

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