

Stainless Steel (inc. High Performance) - 1.4016 / 430

Sheet BA Finish

Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical Composition %
2000 x 1000 x 0.4	6.40	Carbon (C)	0.0 - 0.08
2000 x 1000 x 0.5	8.00	Chromium (Cr)	16.0 - 18.0
2500 x 1250 x 0.5	9.60	Manganese (Mn)	0.0 - 1.0
2000 x 1000 x 0.6	11.20	Silicon (Si)	0.0 - 1.0
2500 x 1250 x 0.6	12.80	Phosphorus (P)	0.0 - 0.04
2000 x 1000 x 0.7	14.40	Sulphur (S)	0.0 - 0.02
2500 x 1250 x 0.7	19.20	Iron (Fe)	Balance
2000 x 1000 x 0.8	24.00		
2000 x 1000 x 0.9	12.50		
2500 x 1250 x 0.9	15.00		
2500 x 1250 x 1.0	17.50		
2000 x 1000 x 1.2	20.00		
2500 x 1250 x 1.2	22.50		
2000 x 1000 x 1.5	25.00		
2500 x 1250 x 1.5	30.00		
2000 x 1000 x 2.0	32.00		
2500 x 1250 x 2.0	50.00		
		Mechanical Properties	
		Property	Value
		Proof Stress	240 min MPa
		Tensile Strength	450 - 600 MPa
		Elongation A50 mm	20%
		Physical Properties	
		Property	Value
		Density	7.75 g/cm ³
		Melting Point	1425 - 1510°C
		Thermal Expansion	10.4 x 10 ⁻⁶ /K
		Modulus of Elasticity	200 GPa
		Thermal Conductivity	23.9 W/m.k
		Electrical Resistivity	0.060 x 10 ⁻⁶ Ω.m

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