

Copper - C101 HH / CW004A

Sheet

Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical composition %
4ft x 2ft x 0.45	3.00	Others (Total)	0.0 - 0.10
4ft x 2ft x 0.50	3.31	Copper (Cu)	b
2m x 1m x 0.50	9.00		
4ft x 2ft x 0.55	3.65		
2m x 1m x 0.55	9.82		
4ft x 2ft x 0.60	3.98		
4ft x 2ft x 0.70	4.65		
2m x 1m x 0.70	12.50		
4ft x 2ft x 0.80	5.30		
4ft x 2ft x 0.90	5.97		
2m x 1m x 0.90	16.07		
4ft x 2ft x 20G	5.94		
4ft x 2ft x 1.00	6.64		
4ft x 2ft x 1.20	7.97		
2m x 1m x 1.20	21.43		
2m x 1m x 1.50	25.44		
4ft x 2ft x 1.60	10.63		
2m x 1m x 1.60	28.58		
4ft x 2ft x 2.00	13.28		
2m x 1m x 2.00	35.72		
1200 x 600 x 2.0	12.80		
4ft x 2ft x 2.50	16.60		
2m x 1m x 2.50	44.65		
4ft x 2ft x 3.00	19.92		
2m x 1m x 3.00	54.00		
4ft x 2ft x 10G	21.50		
4ft x 2ft x 4.00	26.53		
2m x 1m x 4.00	73.80		
4ft x 2ft x 4.50	29.90		
2m x 1m x 5.00	92.56		
4ft x 2ft x 6.00	39.84		
2m x 1m x 3/16	85.00		
2m x 1m x 6.00	107.16		
4ft x 2ft x 10.00	66.37		

Mechanical Properties	
Property	Value
Proof stress	50 - 340 MPa
Tensile strength	200 - 400 MPa
Elongation	5 - 50%
Hardness Vickers	40 to 120 HV
Mechanical properties vary widely according to condition (Soft/HH etc)	

Physical Properties	
Property	Value
Density	8.92 g/cm ³
Melting point	1083°C
Thermal expansion	16.9 x 10 ⁻⁶ /K
Modulus of elasticity	117 GPa
Thermal conductivity	391.1 W/m.K
Electrical resistivity	100% IACS / 0.171 X 10 ⁻⁶ Ω.m

Disclaimer

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