

Copper - C106 HH / CW024A

Roofing Copper

Properties

Stock			Chemical Properties	
Size (mm)	Thickness	Weight/Coil (Kg)	Element	Chemical composition %
600	0.6mm	50.0	Others (Total)	0.0 - 0.10
1000	0.6mm	50.0	Copper (Cu)	Balance
			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	0.0203 x 10 ⁻⁶ Ω.m

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