

Copper - C106 Soft / CW024A

Roofing Copper

Stock		
Size (mm)	Thickness	Weight/Coil (Kg)
600	0.6mm	50.0
1000	0.6mm	50.0

Properties

Chemical Properties	
Element	Chemical composition %
Others (Total)	0.0 - 0.10
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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