

ATLAS BALL & BEARING CO. LIMITED

COPPER BALL DATA SHEET

Attributes Excellent conductor of heat and electricity. It is tough ductile and malleable.

Specification with equivalents	BS	CW004A
	Old BS	C101
	DIN	Ecu57
	UNS	C11000

Chemical Analysis % Cu 99.9%

Typical uses/applications Electrical conductors and munitions.

Grades available G500, G1000

Mechanical/physical properties

Hardness	40 Hv
Tensile strength	200-360 Mpa
Modulus of Elasticity	117 Gpa
Thermal conductivity	391.1 W/m.K at 20° C
Thermal expansion	16.9x10 ⁻⁶ /°C at 100°C
Specific gravity	8.91 g/cm ³
Melting Point	1083°C
Magnetic properties	Non magnetic

Whilst every care has been taken we cannot accept liability for any errors contained within this data sheet.

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