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C46400 Data sheet.

C46400 is a good corrosion resistant brass with excellent hot forgeability. Its soldering and brazing capabilities are excellent along with its hot working capacity.

C46400 has many uses such as...

- Fasteners and hardware
- Marine applications
- High strength cold heated products

C46400 is available from us in plate in the following sizes:

5mm Thick - 4" Thick

Chemical & physical Properties

Typical Chemical Composition

Elements	Min %	Max %
Cu	59.0	62.0
Fe		0.1
Pb		0.2
Sn	0.5	1.0
Zn	Remainder	

Typical Mechanical Properties

Property/unit	Condition	Temp	Size	Min
Tensile Strength ksi	Half Hard	RT	All sizes	60
Yield Stress ksi	Half Hard	RT	All sizes	27
Elongation in 4 x Diameter	Half Hard	RT	All sizes	25
Elongation in 2" %	Half Hard	RT	All sizes	25

Tolerances

Over	Up to and including	Up to and including 2400mm wide	Over 2400mm up to and including 3000mm wide	Over 3000mm wide
10mm	25mm	+ 5% to - 0.8mm	+ 7.5% to - 0.8mm	+ 10% to - 0.8mm
25mm	-	+ 5% to - 0.8mm	+7.5% to - 1.5mm	+10% to - 1.5mm

The information above is based on our current knowledge and is given in good faith; however the company will accept no liability in respect of any third party reliance thereon.