

MATERIAL NUMBER 2.4375 · CLASS 2.4

B 865

Material no. 2.4375

also listed as NiCu 30 Al

Chemical composition, mechanical and physical property values, and 11 standard designations from 5 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
8.46 g/cm ³	11 in 5 regions	10 on file

Chemical composition

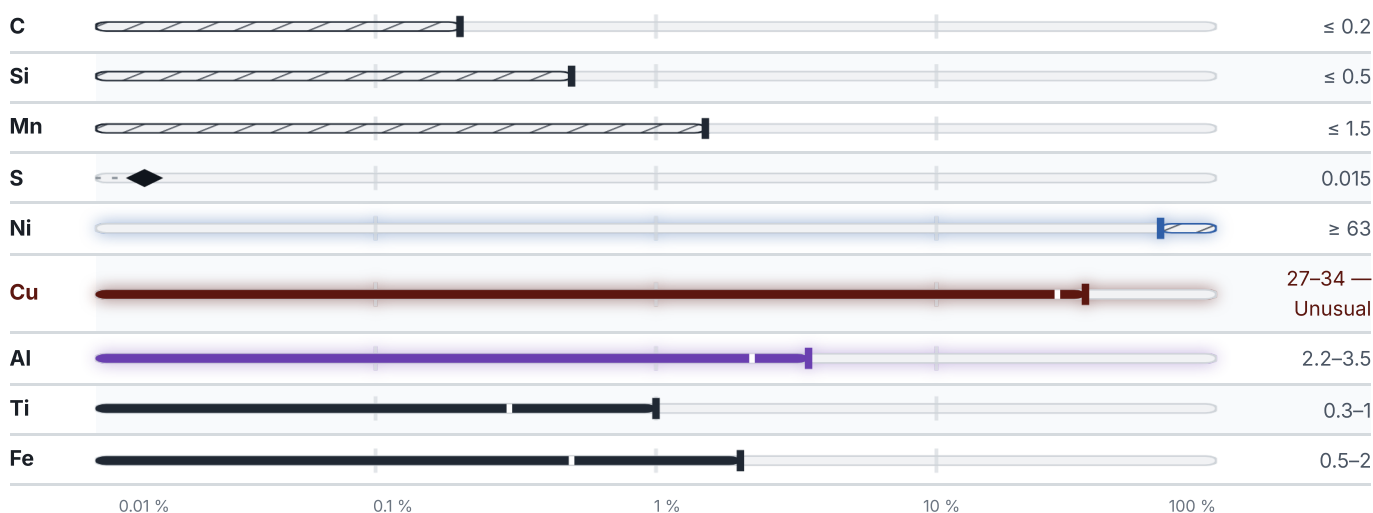
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 0.8 % ● Ni — 63 % ● Cu — 30.5 % ● Al — 2.9 % ● Traces & impurities · 2.9 %

Logarithmic scale, 0.01 % to 100 % — every value here compares directly, decade by decade.



The scale is logarithmic, not the element's raw share of the alloy — the only honest way to fit 0.01 % and 100 % in one picture, and it means every value here can be compared with every other.

Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.46	g/cm³

Designations across standards

11 designations · 2 documented as identical

United States	3	International	2
N05500 This grade's own name	uns	N05500	iso
4676	aisi-sae	NW5500	iso
B 865	astm		
		China	2
United Kingdom	3	H05500	gb
3072-76	bs	NS6500	gb
3146	bs		
NA18	bs	Europe	1
		NiCu 30 Al This grade's own name	din-en

Note on use. The data is compiled to the best of our knowledge from publicly available standards and manufacturer documentation. It replaces neither material testing nor an inspection document to EN 10204. Please request a mill certificate to EN 10204 2.1, 3.1 or 3.2 together with your enquiry. The standard in its current valid edition always prevails.

Enquiry about B 865

Quotation, availability, mill certificate or a technical question — directly on the material page.

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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MATERIAL NO.

2.4375

ISSUED

Aug 20, 2026