

MATERIAL NUMBER 2.4858 · CLASS 2.4

B 424

Material no. 2.4858

also listed as NiCr21Mo

Chemical composition, mechanical and physical property values, and 18 standard designations from 4 regions.

DENSITY

8.14 g/cm³

OTHER DESIGNATIONS

18 in 4 regions

PROPERTY VALUES

14 on file

Chemical composition

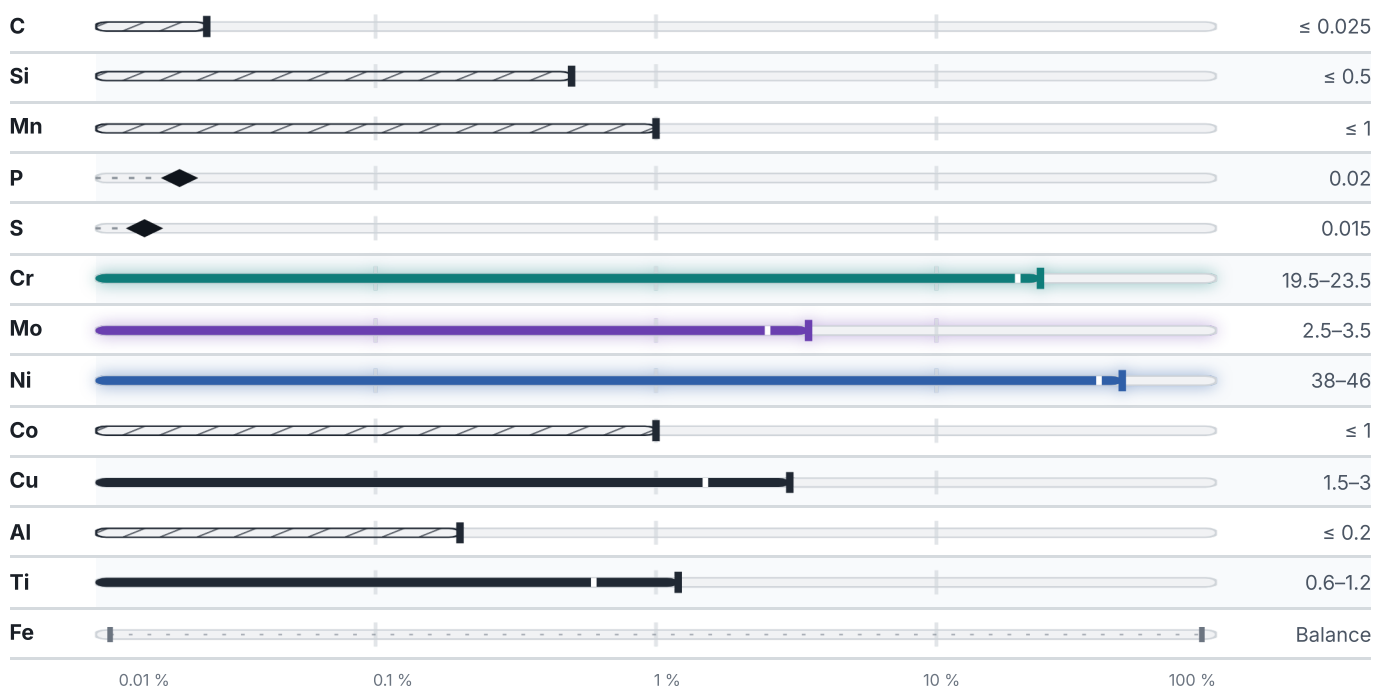
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 27.6 % ● Ni — 42 % ● Cr — 21.5 % ● Mo — 3 % ● Traces & impurities · 5.9 %

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.14	g/cm ³

Designations across standards

18 designations · 3 documented as identical

United States15		Europe1	
N08825	This grade's own nameuns	NiCr21Mo	This grade's own namedin-en
N08826	This grade's own nameuns		
B 423	astm	United Kingdom1	
B 424	astm	3072-76bs	
B 425	astm		
B 564	astm	France1	
B 705	astm	NC 21 FeDUafnor	
B 751	astm		
B 755	astm		
B 829	astm		
B 906	astm		
B163	astm		
B366	astm		
B704	astm		
B775	astm		

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 424

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

Start an enquiry

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	2.4858	Aug 20, 2026