

MATERIAL NUMBER 2.4851 · CLASS 2.4

BS2901 NA49

Material no. 2.4851

also listed as NiCr23Fe

Chemical composition, mechanical and physical property values, and 21 standard designations from 7 regions.

DENSITY

8.2 g/cm³

OTHER DESIGNATIONS

21 in 7 regions

PROPERTY VALUES

14 on file

Chemical composition

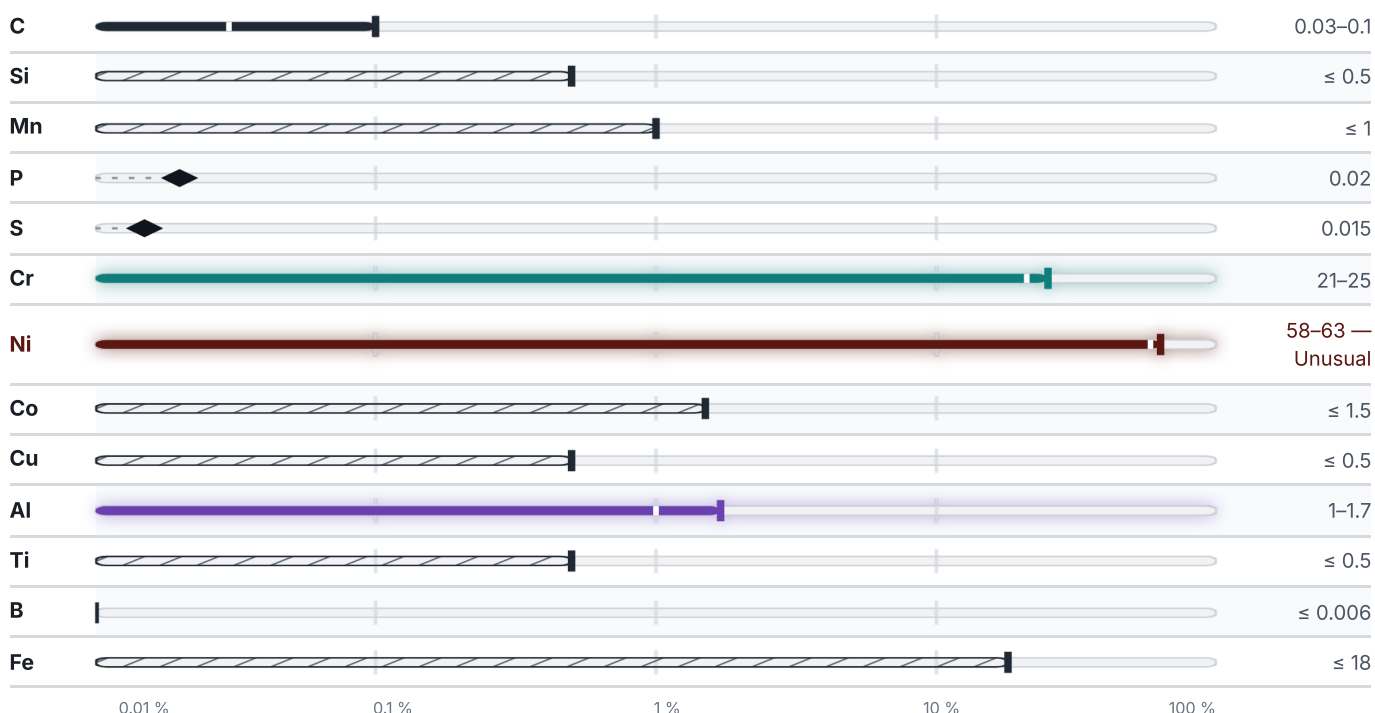
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 11 % ● Ni — 60.5 % ● Cr — 23 % ● Co — 1.5 % ● Traces & impurities · 4 %

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: Mo.

Mechanical properties

1 values across 1 conditions

SOLUTION ANNEALED	HB
Solution annealed	220

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.2	g/cm³

Designations across standards

21 designations · 2 documented as identical

United States9		China3	
N06601	This grade's own nameuns	H06601	gb
B163	astm	HNS3103	gb
B166	astm	NS3103	gb
B167	astm		
B168	astm	United States / Aerospace2	
B564	astm	5715	ams
B751	astm	5870	ams
B775	astm		
B829	astm	Europe1	
International4		NiCr23Fe	This grade's own namedin-en
Ni6601	iso	United Kingdom1	
NiCr23Fe15Al	iso	BS2901 NA49bs	
NW6601	iso		
SNi6601	iso	Japan1	
		NCF601	jis

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 BS2901 NA49

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

Start an enquiry