

MATERIAL NUMBER 2.4816 · CLASS 2.4

5580

Material no. 2.4816

also listed as NiCr15Fe

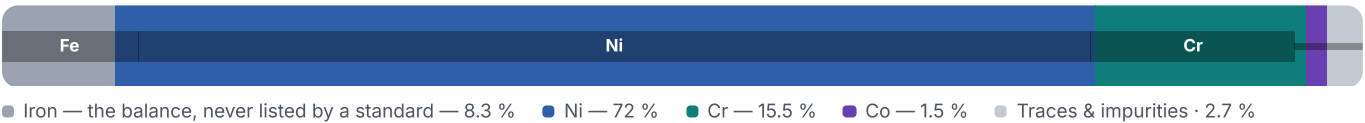
Chemical composition, mechanical and physical property values, and 20 standard designations from 5 regions.

DENSITY 8.45 g/cm ³	OTHER DESIGNATIONS 20 in 5 regions	PROPERTY VALUES 14 on file
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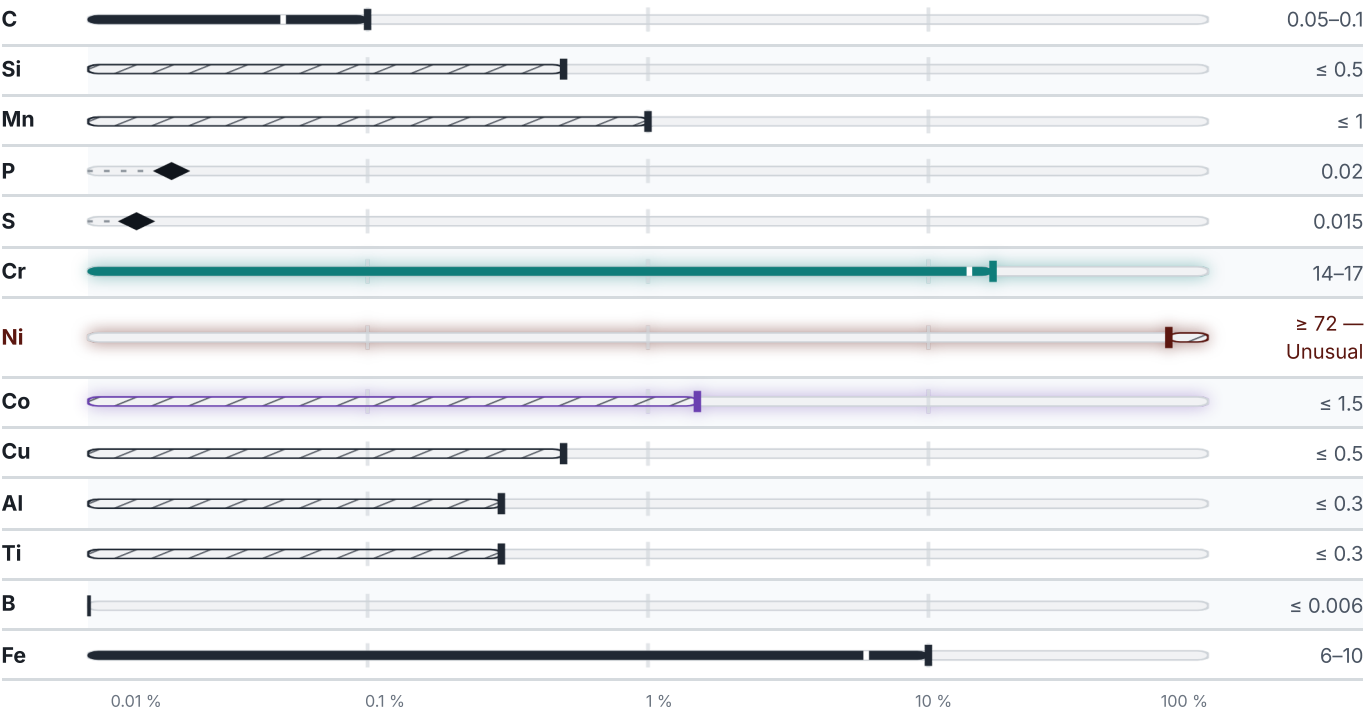
Chemical composition

Mass fraction in %

What this alloy is



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, Mo.

Mechanical properties

1 values across 1 conditions

SOLUTION ANNEALED	HB
Solution annealed	200

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.45	g/cm³

Designations across standards

20 designations · 2 documented as identical

United States	15	United States / Aerospace	2
N06040 This grade's own name	uns	5580	ams
N06600	uns	5665	ams
N06600; Alloy 600	uns		
5540	aisi-sae	Europe	1
B163	astm	NiCr15Fe This grade's own name	din-en
B166	astm		
B167	astm	United Kingdom	1
B168	astm	3072-76	bs
B366	astm		
B516	astm	France	1
B517	astm	NC 15 Fe	afnor
B564	astm		
B751	astm		
B775	astm		
B829	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 5580

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	2.4816	Aug 20, 2026