

MATERIAL NUMBER 2.4816 · CLASS 2.4

N06600; Alloy 600

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/cm³

OTHER DESIGNATIONS

20 in 5 regions

PROPERTY VALUES

14 on file

Chemical composition

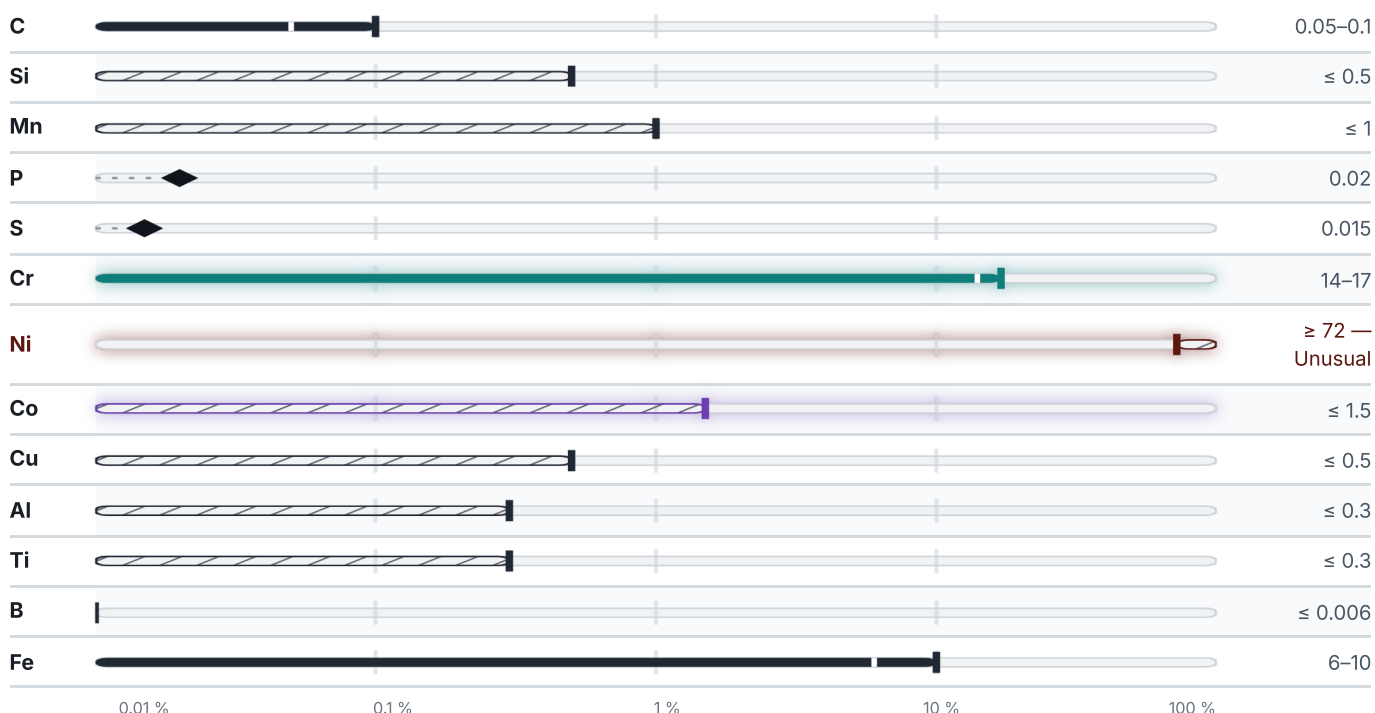
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 8.3 % ● Ni — 72 % ● Cr — 15.5 % ● Co — 1.5 % ● Traces & impurities · 2.7 %

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 N06600; Alloy 600

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