

MATERIAL NUMBER 2.4975 · CLASS 2.4

NiFe36Cr12Mo6Ti3

Material no. 2.4975

also listed as NiFeCr12Mo

Chemical composition, mechanical and physical property values, and 7 standard designations from 5 regions.

DENSITY

7.85 g/cm³

OTHER DESIGNATIONS

7 in 5 regions

PROPERTY VALUES

13 on file

Chemical composition

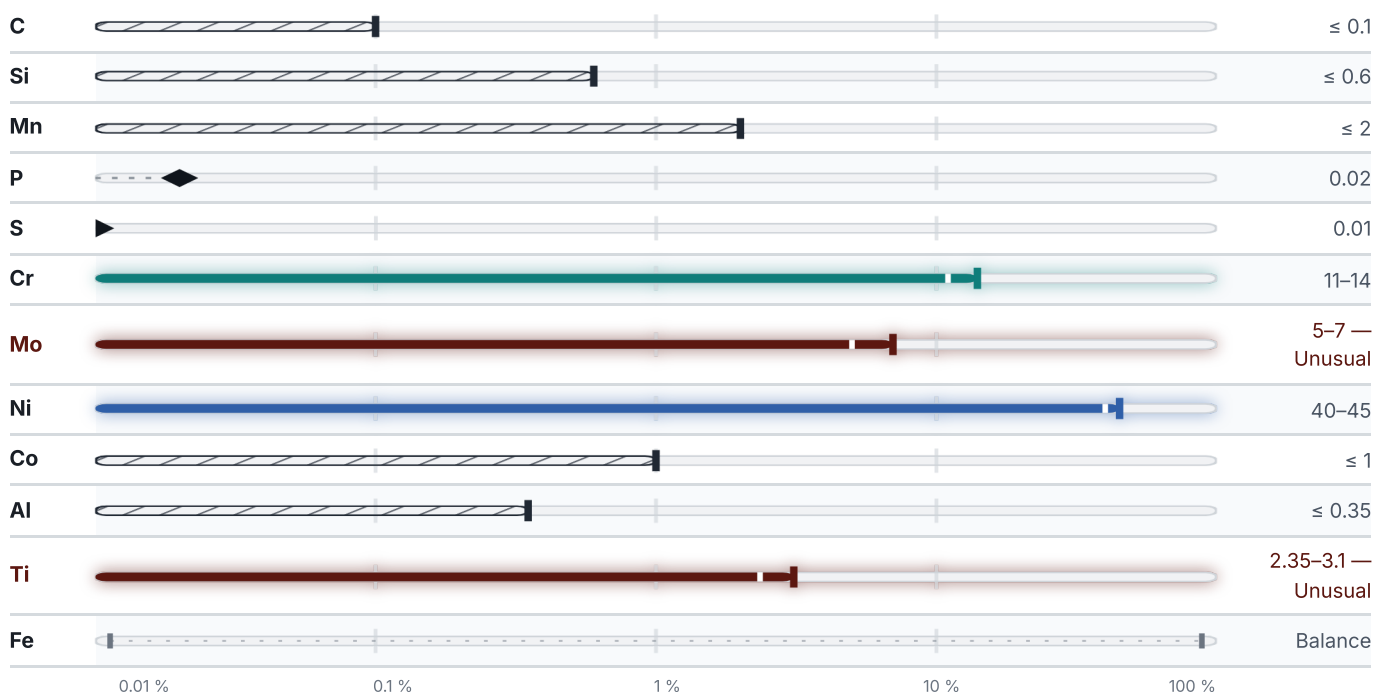
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 32.2 % ● Ni — 42.5 % ● Cr — 12.5 % ● Mo — 6 % ● Traces & impurities · 6.8 %

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	7.85	g/cm ³

Designations across standards

7 designations · 2 documented as identical

International	2	Europe	1
NiFe36Cr12Mo6Ti3	iso	NiFeCr12Mo	This grade's own name din-en
NW9911	iso		
China	2	United States	1
NiFe36Cr12Mo6Ti3	gb	681	This grade's own name aisi-sae
NW99911	gb	United Kingdom	1
		HR53	bs

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 NiFe36Cr12Mo6Ti3

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	2.4975	Aug 20, 2026