

MATERIAL NUMBER 2.4975 · CLASS 2.4

HR53

Material no. 2.4975

also listed as NiFeCr12Mo

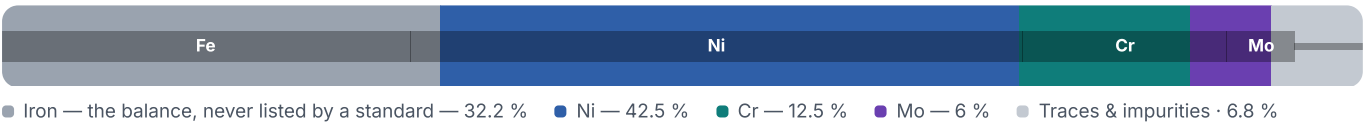
Chemical composition, mechanical and physical property values, and 7 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 7 in 5 regions	PROPERTY VALUES 13 on file
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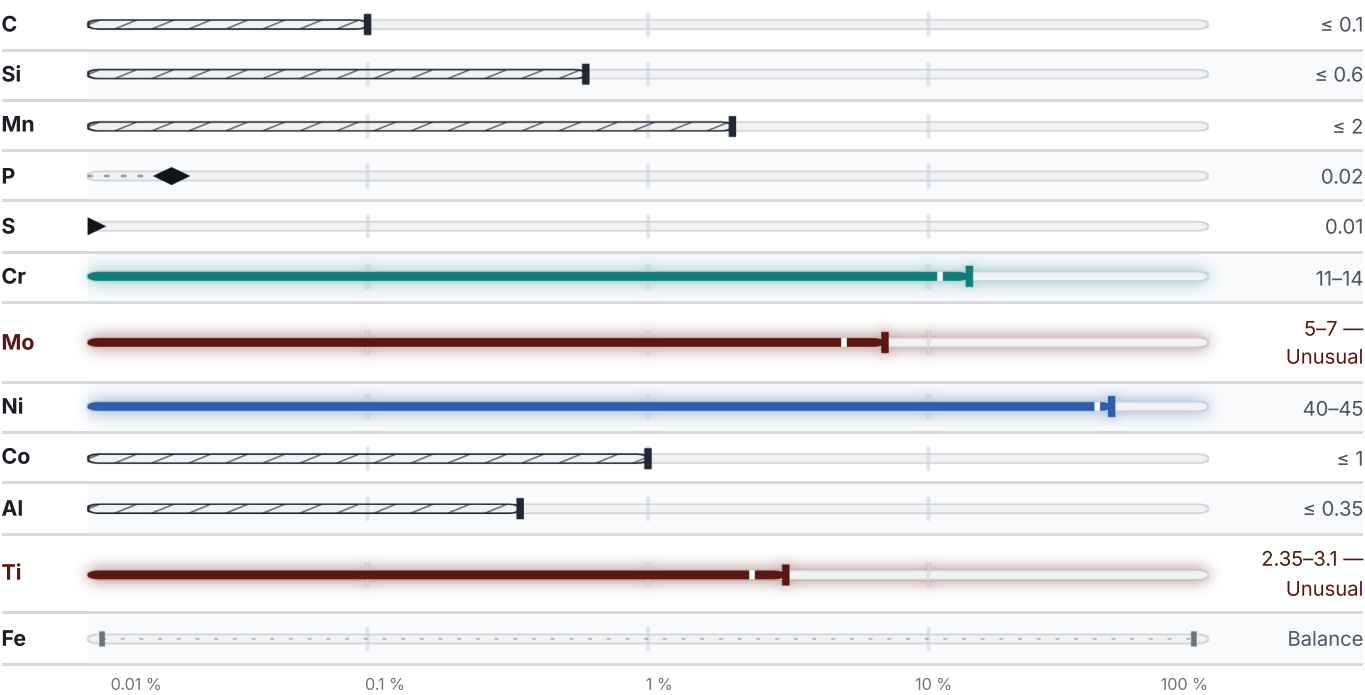
Chemical composition

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

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 HR53

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

Start an enquiry

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

MATERIAL NO.

2.4975

ISSUED

Aug 20, 2026