

MATERIAL NUMBER 2.4951 · CLASS 2.4

2.4951

Chemical composition, mechanical and physical property values, and 16 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 16 in 6 regions	PROPERTY VALUES 14 on file
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Chemical composition

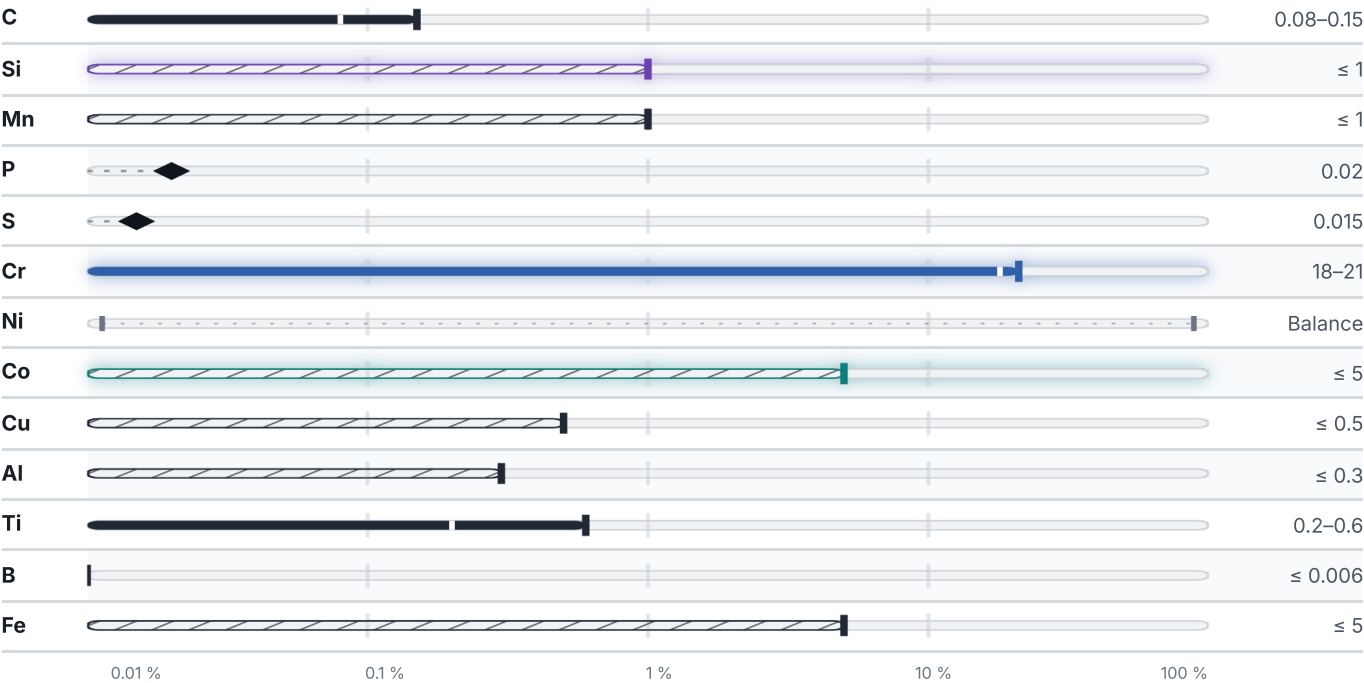
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 72.1 % ● Cr — 19.5 % ● Co — 5 % ● Si — 1 % ● Traces & impurities · 2.4 %

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: Ni, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

16 designations · 4 documented as identical

United States	5	United States / Aerospace	3
N06075	This grade's own name uns	5887	ams
N06076	This grade's own name uns	5888	ams
N06617	This grade's own name uns	5889	ams
B 166	astm		
B637	astm	International	2
		NiCr20Ti	iso
		NW6621	iso
United Kingdom	3		
2HR 504	bs		
HR 203	bs	Russia / CIS	2
HR 403	bs	ChN78T	gost
		XH78T	gost
		Europe	1
		NiCr20Ti	This grade's own name din-en

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 2.4951

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	2.4951	Aug 20, 2026