

MATERIAL NUMBER 2.4952 · CLASS 2.4

GH4080A

Material no. 2.4952

also listed as NiCr20TiAl

Chemical composition, mechanical and physical property values, and 7 standard designations from 6 regions.

DENSITY**7.85** g/cm³**OTHER DESIGNATIONS****7** in 6 regions**PROPERTY VALUES****14** on file

Chemical composition

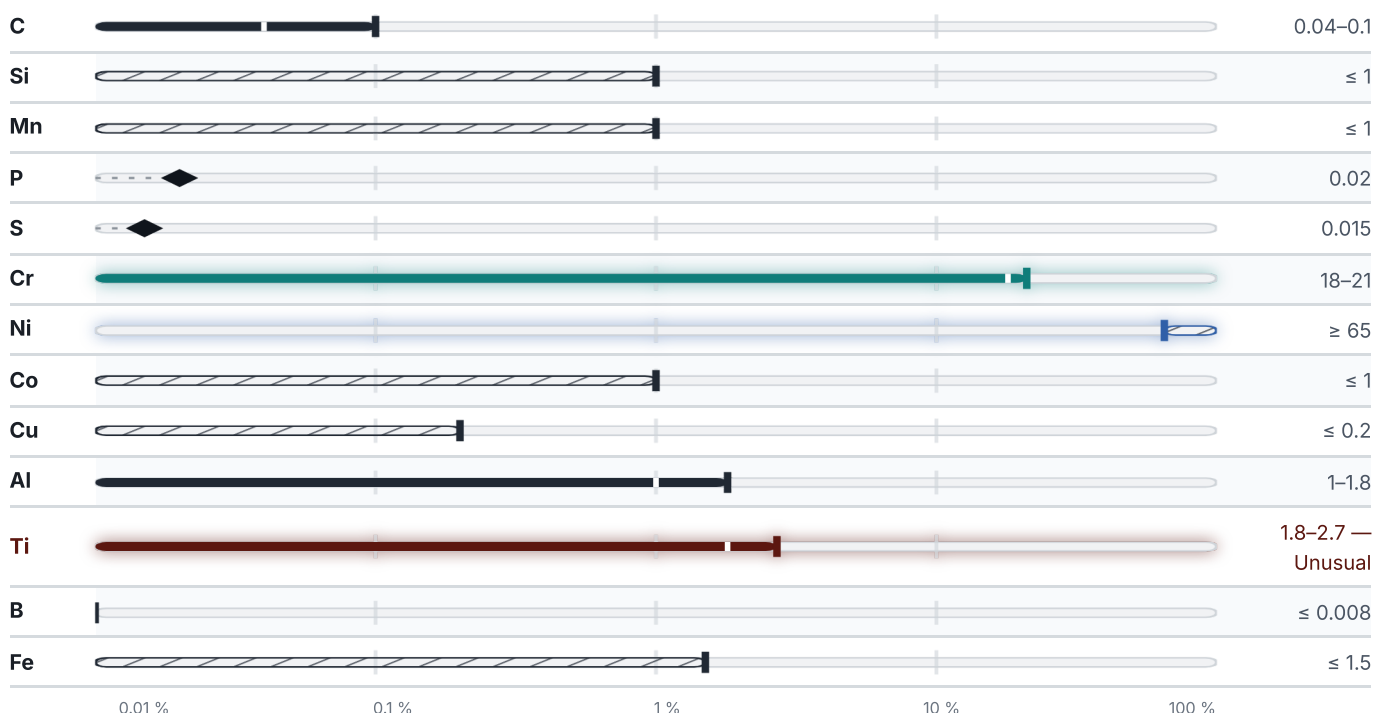
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 8.5 % ● Ni — 65 % ● Cr — 19.5 % ● Ti — 2.3 % ● Traces & impurities · 4.7 %

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Heat treatment

2 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Solution annealing	Temperature not stated	—
Ageing	Temperature not stated	—
Solution annealing	Temperature not stated	—

Designations across standards

7 designations · 2 documented as identical

United States	2	France	1
N07080 This grade's own name	uns	NC20TA	afnor
B637	astm		
Europe	1	International	1
NiCr20TiAl This grade's own name	din-en	NiCr20Ti2Al	iso
United Kingdom	1	China	1
NA20	bs	GH4080A	gb

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 GH4080A

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	2.4952	Aug 20, 2026