

MATERIAL NUMBER 1.4876 · CLASS 1.4

F.3545-X9NiCr

Material no. 1.4876

also listed as X10NiCrAlTi32-20

Chemical composition, mechanical and physical property values, and 46 standard designations from 11 regions.

DENSITY

8 g/cm³

OTHER DESIGNATIONS

46 in 11 regions

PROPERTY VALUES

10 on file

Chemical composition

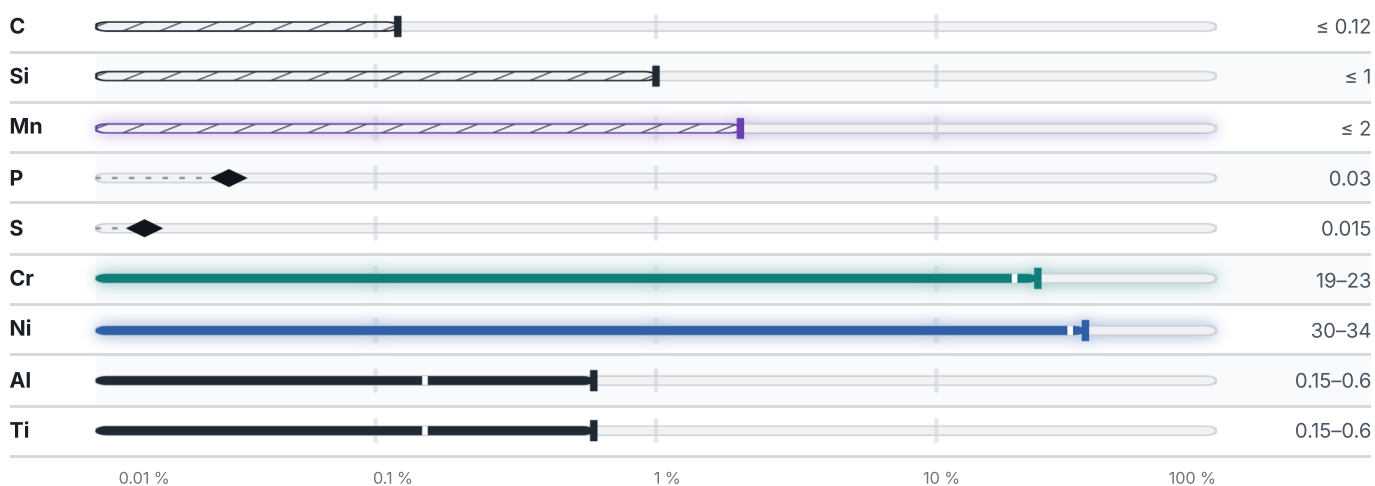
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 43.1 % ● Ni — 32 % ● Cr — 21 % ● Mn — 2 % ● Traces & impurities · 1.9 %

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: Mo.

Mechanical properties

1 values across 1 conditions

SOLUTION ANNEALED	HB
Solution annealed	192

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8	g/cm ³

Designations across standards

46 designations · 6 documented as identical

United States		20	Europe		3
Incoloy 800		uns	X10NiCrAlTi32-20	This grade's own name	din-en
Incoloy 800H		uns	X10NiCrAlTi32-21	This grade's own name	din-en
Incoloy 800HT		uns	X8NiCrAlTi32-21	This grade's own name	din-en
N08332	This grade's own name	uns	United Kingdom		3
N08800	This grade's own name	uns	3076 NA 15 H		bs
N08810	This grade's own name	uns	NA 15		bs
N08811		uns	NA15(H)		bs
800		aisi-sae	International		3
B 163		aisi-sae	FeNi32Cr21AlTi		iso
N08332		aisi-sae	NW8800		iso
N08800		aisi-sae	X8NiCrAlTi32-21		iso
N08810		aisi-sae	Japan		3
N08811		aisi-sae	NCF 800		jis
A 240		astm	NCF 800 TB		jis
B 366		astm	NCF 800 TP		jis
B 407		astm	United States / Aerospace		2
B 408		astm	5766		ams
B 409		astm	5871		ams
B 515		astm	Russia / CIS		2
B564		astm	Ch20N32T		gost
France		4	EP670 /ChN32T		gost
Z10NC32-21		afnor	Czechia		1
Z5 NC 35-20		afnor	17358		csn
Z8NC32.21		afnor	Slovakia		1
Z8NC33-21		afnor	17 358		stn
Spain		4			
33-21		une			
F.3314		une			
F.3545		une			
F.3545-X9NiCr		une			

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 F.3545-X9NiCr
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.
1.4876

ISSUED
Aug 20, 2026