

MATERIAL NUMBER 1.6562 · CLASS 1.6

Ç 4340

Material no. 1.6562

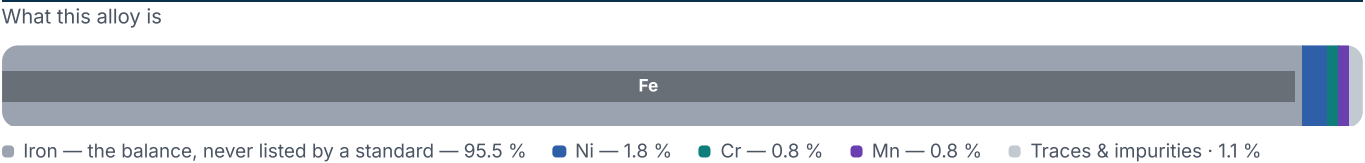
also listed as 40 NiCrMo 8 4

Chemical composition, mechanical and physical property values, and 33 standard designations from 9 regions.

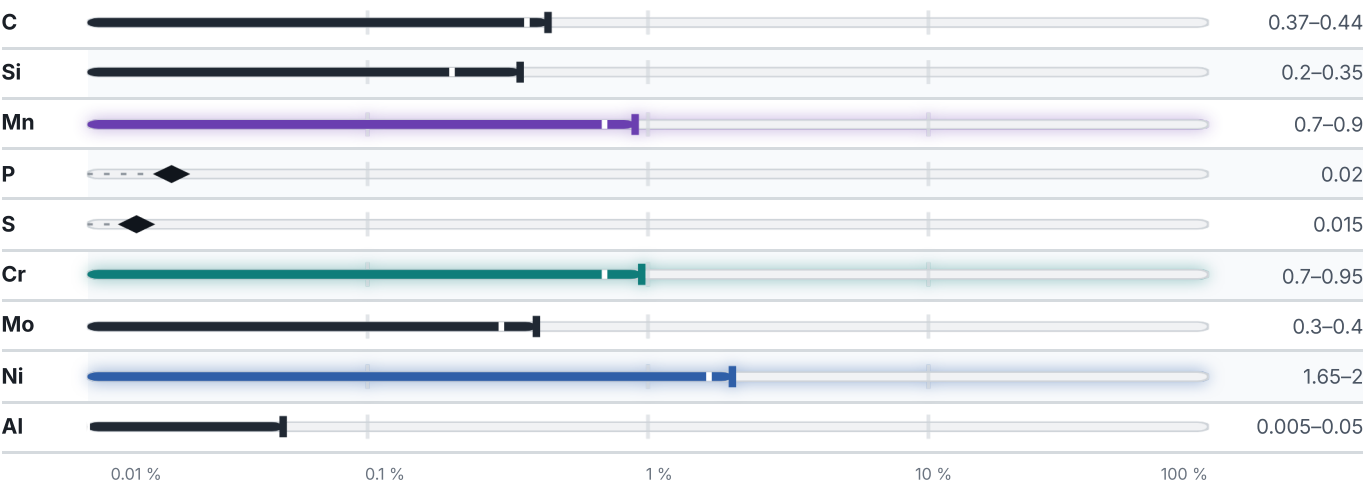
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 33 in 9 regions	PROPERTY VALUES 10 on file
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Chemical composition

Mass fraction in %



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

computed from composition · °C

PREDICTED AE3 741 °C	PREDICTED AE1 711 °C	PREDICTED ACM 619 °C	PREDICTED BS 501 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

33 designations · 9 documented as identical

United States		13	Europe		2
G43370	This grade's own name	uns	40 NiCrMo 8 4	This grade's own name	din-en
G43376	This grade's own name	uns	40NiCrMo8-4	This grade's own name	din-en
G43406		uns	United Kingdom		2
H43406	This grade's own name	uns	817M40		bs
K24064	This grade's own name	uns	S155		bs
4337	This grade's own name	aisi-sae	Russia / CIS		2
4340		aisi-sae	40ChN2MA		gost
E4337	This grade's own name	aisi-sae	40KhN2MA		gost
E4340		aisi-sae	Italy		2
E4340 Mod		aisi-sae	40 NiCrMo 7		uni
E4340H	This grade's own name	aisi-sae	NCM 4		uni
A322		astm	Poland		2
A331		astm	34HNM		pn
United States / Aerospace		8	40HNMA		pn
6257		ams	France		1
6359		ams	40 NCD 7		afnor
6409		ams	Türkiye		1
6414		ams	Ç 4340		mke
6415		ams			
6417		ams			
6419		ams			
6484		ams			

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 Ç 4340

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	1.6562	Aug 20, 2026