

MATERIAL NUMBER 1.1121 · CLASS 1.1

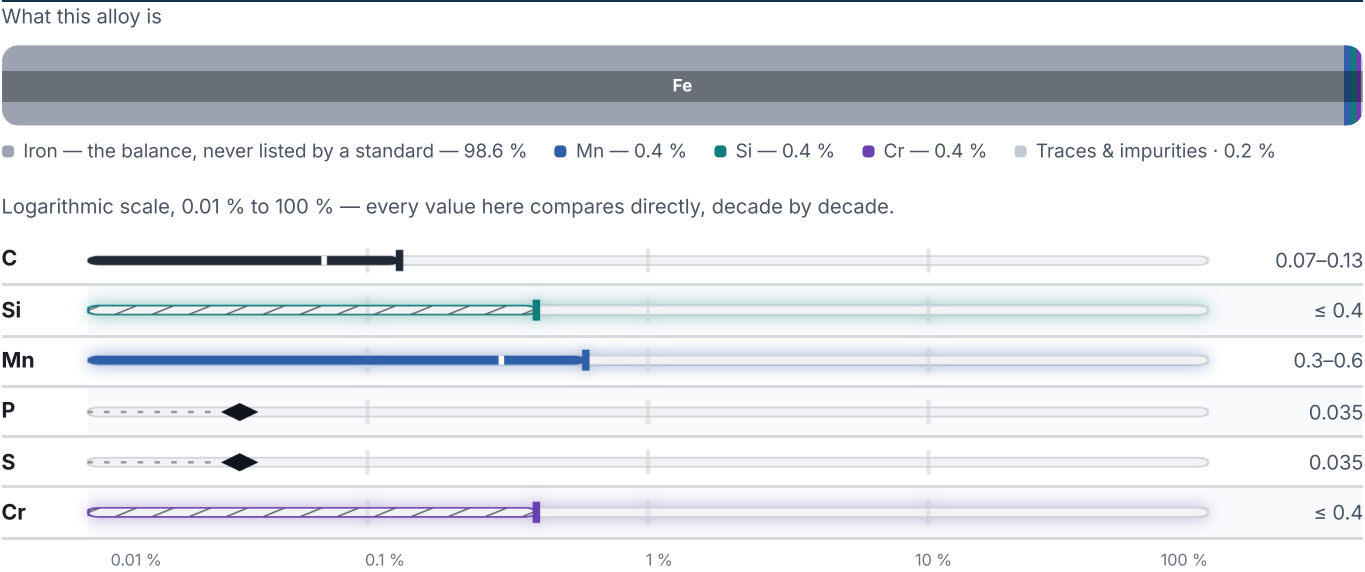
1.1121

Chemical composition, mechanical and physical property values, and 61 standard designations from 22 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 61 in 22 regions	PROPERTY VALUES 7 on file
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Chemical composition

Mass fraction in %



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.

Mechanical properties

4 values across 3 conditions

SOFT ANNEALED	HB	HRB
Soft annealed	131	73

NORMALIZED	HB
Normalized	85–140
COLD ROLLED	HV
Cold rolled	250

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

61 designations · 4 documented as identical

United States7		France4	
G10100	This grade's own nameuns	AF-34	afnor
1008	aisi-sae	C10RR	afnor
1010	This grade's own nameaisi-sae	XC10	afnor
1011	aisi-sae	XC12	afnor
G10080	aisi-sae		
G10100	aisi-sae	Italy4	
M1010	aisi-sae	2C10	uni
		2C15	uni
		C10	uni
		C15	uni
United Kingdom6		Australia / New Zealand4	
040A10	bs	1010	as-nzs
045A10	bs	A1010	as-nzs
045M10	bs	CA1010	as-nzs
C10 C10E C10R	bs	HA1010	as-nzs
C10E	bs		
CS12	bs		
Japan6		Europe3	
S09CK	jis	C10E	This grade's own namedin-en
S09CX	jis	Ck 10	This grade's own namedin-en
S10C	jis	Ck15	din-en
S9CK	jis		
SPHE	jis		
SWR1	jis	International3	
Spain5		C10	iso
C10E	une	C15M2	iso
C10k	une	S10C	iso
F.151	une	China3	
F.1510	une	08	gb
F.1510-C 10 k	une	08F	gb
		10	gb

Russia / CIS	2	Slovakia	1
08	gost	12 010	stn
10	gost		
Sweden	2	Hungary	1
1146	ss	C10	msz
1265	ss		
Poland	2	Romania	1
08X	pn	OLC10X	stas
10	pn		
South Korea	2	Bulgaria	1
SM10C	ks	08	bds
SM9CK	ks		
Czechia	1	Austria	1
12010	csn	RC12	onorm
		Belgium	1
		C10-2	nbn
		Switzerland	1
		Ck10	snv

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 1.1121

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

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GRADE SEARCH

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ISSUED

Aug 20, 2026