

MATERIAL NUMBER 1.1207 · CLASS 1.1

C10R

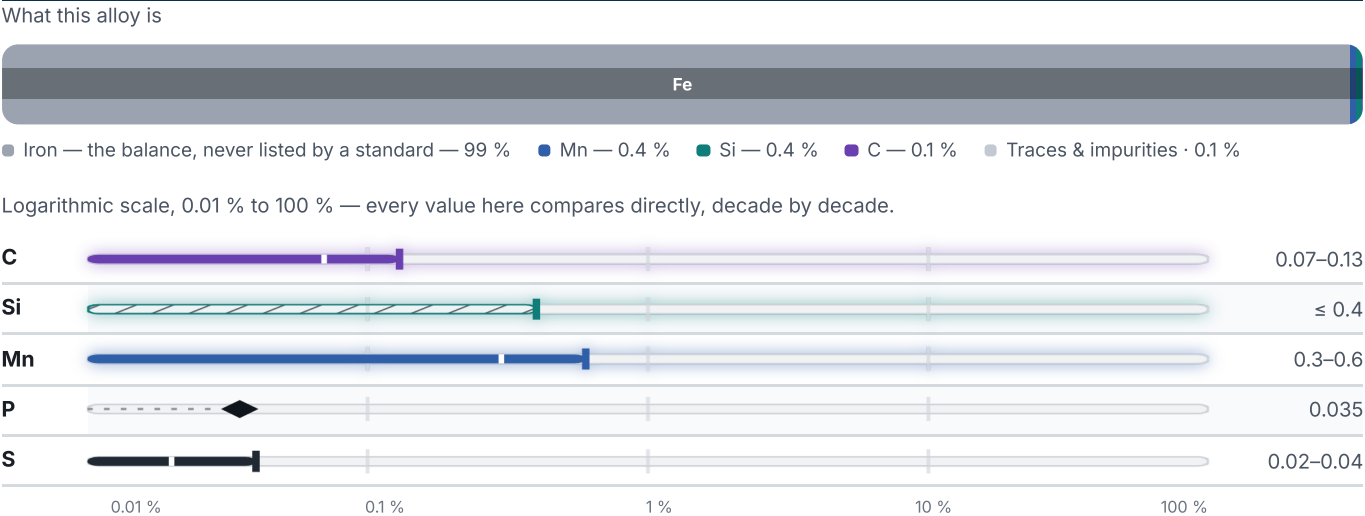
Material no. 1.1207

Chemical composition, mechanical and physical property values, and 7 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 7 in 5 regions	PROPERTY VALUES 6 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, Cr, Mo.

Mechanical properties

13 values across 4 conditions

COLD DRAWN / HARD	RM N/mm ²	A %
5 – 10	460–760	8

COLD DRAWN / HARD	RM N/mm ²	A %
10 – 16	430–730	9
16 – 40	400–700	10
40 – 63	350–640	12
63 – 100	320–580	12
SOFT ANNEALED		HB
Soft annealed		131
NORMALIZED		HB
Normalized		85–140
AS ROLLED AND TURNED		HB
As rolled and turned		92–163

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

7 designations · 3 documented as identical

Europe	2	France	1
C10R This grade's own name	din-en	XC10	afnor
Ck10	din-en		
United States	2	International	1
G10100 This grade's own name	uns	C10	iso
1010 This grade's own name	aisi-sae	Italy	1
		C10	uni

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 C10R

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

Start an enquiry