

MATERIAL NUMBER 1.7383 · CLASS 1.7

11CrMo9-10

Material no. 1.7383

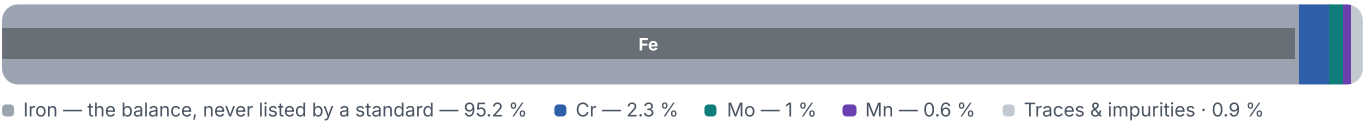
Chemical composition, mechanical and physical property values, and 21 standard designations from 9 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	21 in 9 regions	9 on file

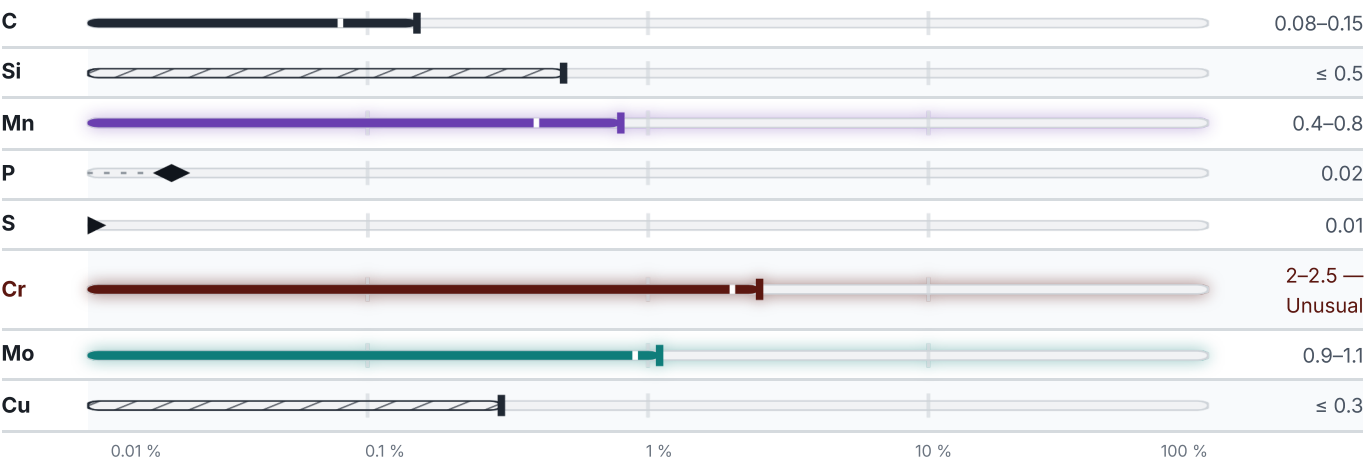
Chemical composition

Mass fraction in %

What this alloy is



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.

Mechanical properties

10 values across 2 conditions

NORMALIZED AND TEMPERED	REH N/mm ²	RM N/mm ²	A %
≤ 200	310	520–670	–
200 – 500	265	450–600	–
≤ 200	–	–	20
200 – 500	–	–	23
≤ 200	–	–	20
200 – 500	–	–	21
LIQUID QUENCHED AND TEMPERED			A %
≤ 60			18
60 – 100			17

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

21 designations · 2 documented as identical

United States	9	Europe	1
2.25Cr1Mo	uns	11CrMo9-10	This grade's own name din-en
A182 F22	uns		
A182 T22	uns	Spain	1
K21390	uns	12CrMo9-10	une
K21590	uns		
2.25Cr1Mo	astm	Italy	1
A182 F22	astm	12CrMo9-10	uni
A182 T22	astm		
K21590	astm	Czechia	1
		15313	csn
Russia / CIS	4		
10Ch2M	gost	Poland	1
10X2M	gost	10H2M	pn
1Ch2M	gost		
1Kh2M	gost	Slovakia	1
		15 313	stn
France	2		
10CD9-10	afnor		
12CD9-10	afnor		

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 11CrMo9-10
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

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ISSUED
Aug 20, 2026