

MATERIAL NUMBER 1.0726 · CLASS 1.0

1140

Material no. 1.0726

also listed as 35 S 20

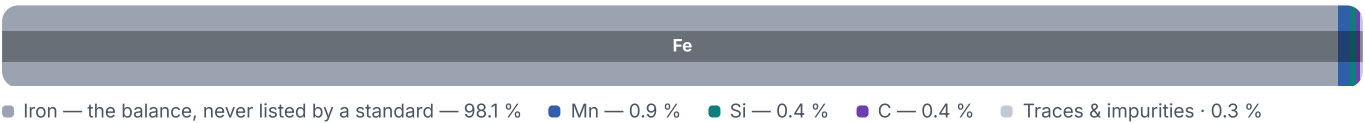
Chemical composition, mechanical and physical property values, and 24 standard designations from 15 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 24 in 15 regions	PROPERTY VALUES 6 on file
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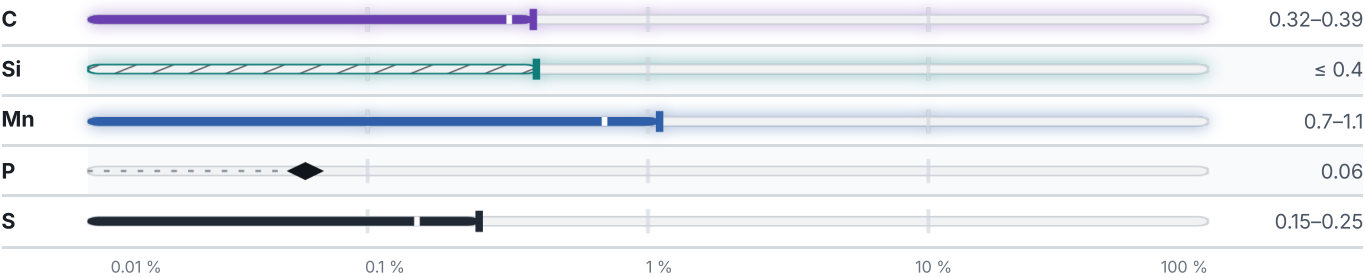
Chemical composition

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, Cr, Mo.

Mechanical properties

11 values across 2 conditions

COLD DRAWN / HARD	RM N/mm ²	A %
5 – 10	640–880	6

COLD DRAWN / HARD	RM N/mm ²	A %
10 – 16	590–830	7
16 – 40	560–800	8
40 – 63	530–760	9
63 – 100	510–680	9
AS ROLLED AND TURNED		HB
As rolled and turned		149–201

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

24 designations · 4 documented as identical

United States	3	Sweden	2
G11400 This grade's own name	uns	1957	ss
1126	aisi-sae	1957-03	ss
1140 This grade's own name	aisi-sae	Spain	1
United Kingdom	3	F210G	une
212M36	bs	International	1
8M	bs	35S20	iso
EN8M	bs	Russia / CIS	1
Europe	2	A30	gost
1.0726	din-en	Italy	1
35 S 20 This grade's own name	din-en	CF35SMn10	uni
France	2	Czechia	1
35MF4	afnor	11140	csn
35MF6	afnor	Slovakia	1
Japan	2	11 140	stn
35S20 This grade's own name	jis	Poland	1
SUM4	jis	A35	pn
China	2	Romania	1
Y30	gb	AUT30	stas
Y35	gb		

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 1140
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.
1.0726

ISSUED
Aug 20, 2026