SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.0726 · CLASS 1.0

212M36

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	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	24 in 15 regions	6 on file

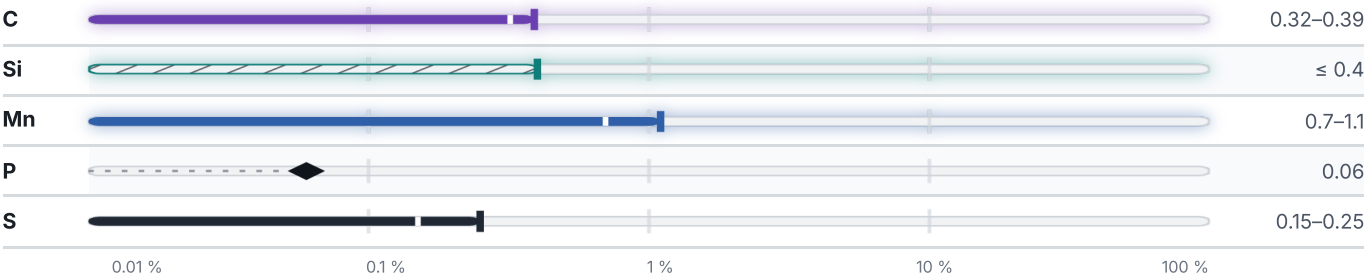
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 98.1 % · Mn — 0.9 % · Si — 0.4 % · C — 0.4 % · Traces & impurities · 0.3 %

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/mm²	A %
5 – 10	640–880	6

COLD DRAWN / HARD	RM N/mm²	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/cm³

Designations across standards

24 designations · 4 documented as identical

United States 3

G11400 This grade's own name	uns
1126	aisi-sae
1140 This grade's own name	aisi-sae

United Kingdom 3

212M36	bs
8M	bs
EN8M	bs

Europe 2

1.0726	din-en
35 S 20 This grade's own name	din-en

France 2

35MF4	afnor
35MF6	afnor

Japan 2

35S20 This grade's own name	jis
SUM4	jis

China 2

Y30	gb
Y35	gb

Sweden 2

1957	ss
1957-03	ss

Spain 1

F210G	une

International 1

35S20	iso

Russia / CIS 1

A30	gost

Italy 1

CF35SMn10	uni

Czechia 1

11140	csn

Slovakia 1

11 140	stn

Poland 1

A35	pn

Romania 1

AUT30	stas

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 212M36

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	1.0726	Aug 20, 2026