

MATERIAL NUMBER 1.8926 · CLASS 1.8

S550QL

Material no. 1.8926

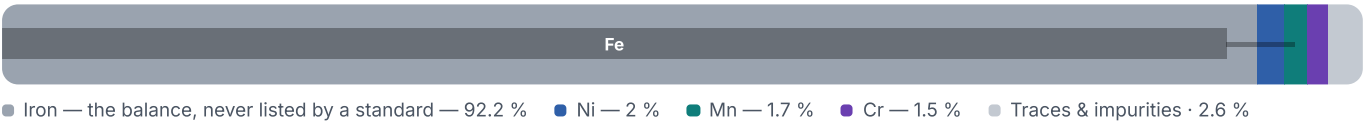
Chemical composition, mechanical and physical property values, and 7 standard designations from 3 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 7 in 3 regions	PROPERTY VALUES 17 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.

C		≤ 0.2
Si		≤ 0.8
Mn		≤ 1.7
P		0.02
S		0.01
Cr		≤ 1.5
Mo		≤ 0.7
Ni		2
V		≤ 0.12
Cu		≤ 0.5
Al		≥ 0.015
Ti		≤ 0.05
Nb		≤ 0.06
N		0.015
B		≤ 0.005
Zr		≤ 0.15

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

computed from composition · °C

PREDICTED AE3 792 °C	PREDICTED AE1 723 °C	PREDICTED ACM 475 °C	PREDICTED BS 456 °C
-------------------------	-------------------------	-------------------------	------------------------

Mechanical properties

5 values across 1 conditions

CONDITION · DIMENSION	REH N/mm ²	RM N/mm ²
3 – 100	–	640–820
3 – 50	550	–
50 – 100	530	–
100 – 150	490	590–770

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

7 designations · 2 documented as identical

Europe	3	France	3
FeE550VKT	din-en	E550T	afnor
S550QL This grade's own name	din-en	E550TFP	afnor
TStE 550 V This grade's own name	din-en	S550T	afnor
		International	1
		E550	iso

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 S550QL

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	1.8926	Aug 20, 2026