

MATERIAL NUMBER 1.0984 · CLASS 1.0

S500MC

Material no. 1.0984

also listed as QStE 500 TM

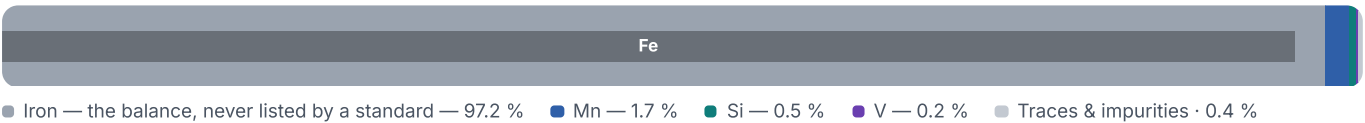
Chemical composition, mechanical and physical property values, and 12 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 12 in 6 regions	PROPERTY VALUES 10 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

2 values across 1 conditions

CONDITION · DIMENSION	A80 % · Lo = 80 mm	A % · Lo = 5,65 √So
≤ 3	12	–
≥ 3	–	14

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

12 designations · 6 documented as identical

United States		5	France		1
Gr.70		aisi-sae	E490D		afnor
A1008	This grade's own name	astm	International		1
A1008 Grade 70 Class 1	This grade's own name	astm			
A1008 Grade 70 Class 2	This grade's own name	astm	FeE490		iso
A1011 Grade 70	This grade's own name	astm	Italy		1
Europe		3	FeE490TM		uni
E490D		din-en	Sweden		1
QStE 500 TM	This grade's own name	din-en			
S500MC	This grade's own name	din-en	2662		ss

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 S500MC

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	1.0984	Aug 20, 2026