

MATERIAL NUMBER 1.1157 · CLASS 1.1

40Mn

Material no. 1.1157

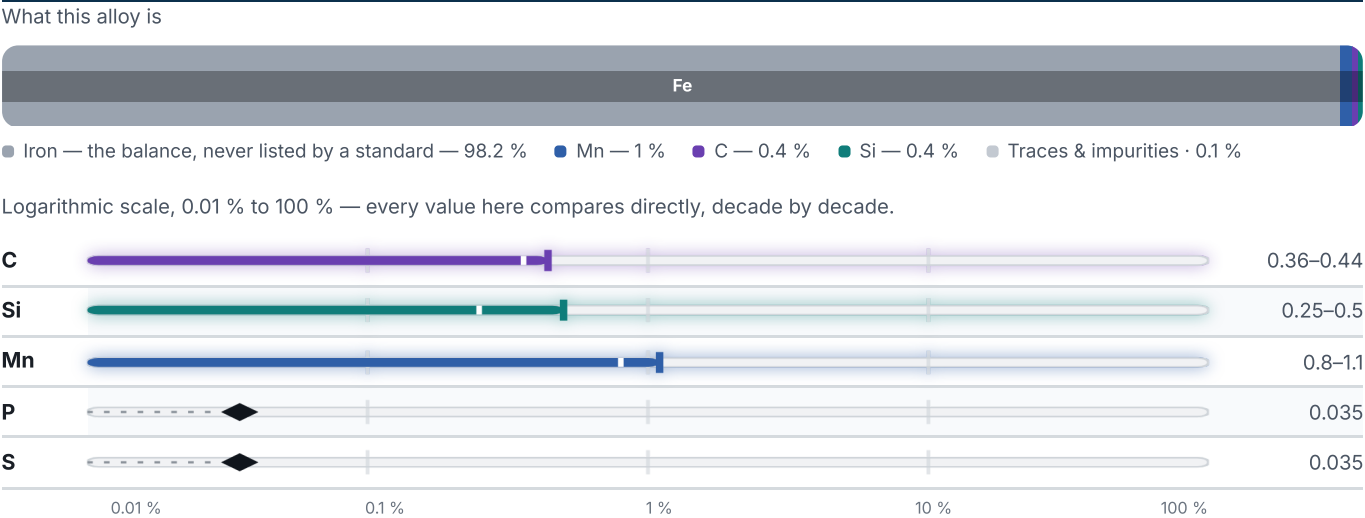
also listed as 40Mn4

Chemical composition, mechanical and physical property values, and 15 standard designations from 8 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 15 in 8 regions	PROPERTY VALUES 6 on file
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Chemical composition

Mass fraction in %



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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Heat treatment

3 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Annealing	Temperature not stated	—
Annealing	Temperature not stated	—
Tempering	Temperature not stated	—
Normalizing	Temperature not stated	—
Tempering	Temperature not stated	—
source joins the operations with + / procedural order		
Normalizing	Temperature not stated	—
Quenching	Temperature not stated	—
Tempering	Temperature not stated	—
source joins the operations with + / procedural order		
Normalizing	Temperature not stated	—
Quenching	Temperature not stated	—
Tempering	Temperature not stated	—

Designations across standards

15 designations · 3 documented as identical

United States	4	France	2
G10390 This grade's own name	uns	35M5	afnor
1039 This grade's own name	aisi-sae	40M5	afnor
040	astm		
361	astm	Japan	1
		S40C	jis
United Kingdom	3		
080A40	bs	China	1
150M36	bs	40Mn	gb
EN15	bs		
Europe	2	Russia / CIS	1
1.1157	din-en	40Г	gost
40Mn4 This grade's own name	din-en	Sweden	1
		40Mn	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 40Mn

Quotation, availability, mill certificate or a technical question — directly on the material page.

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026