SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 2.4617 · CLASS 2.4

2.4617

Chemical composition, mechanical and physical property values, and 16 standard designations from 4 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	16 in 4 regions	12 on file

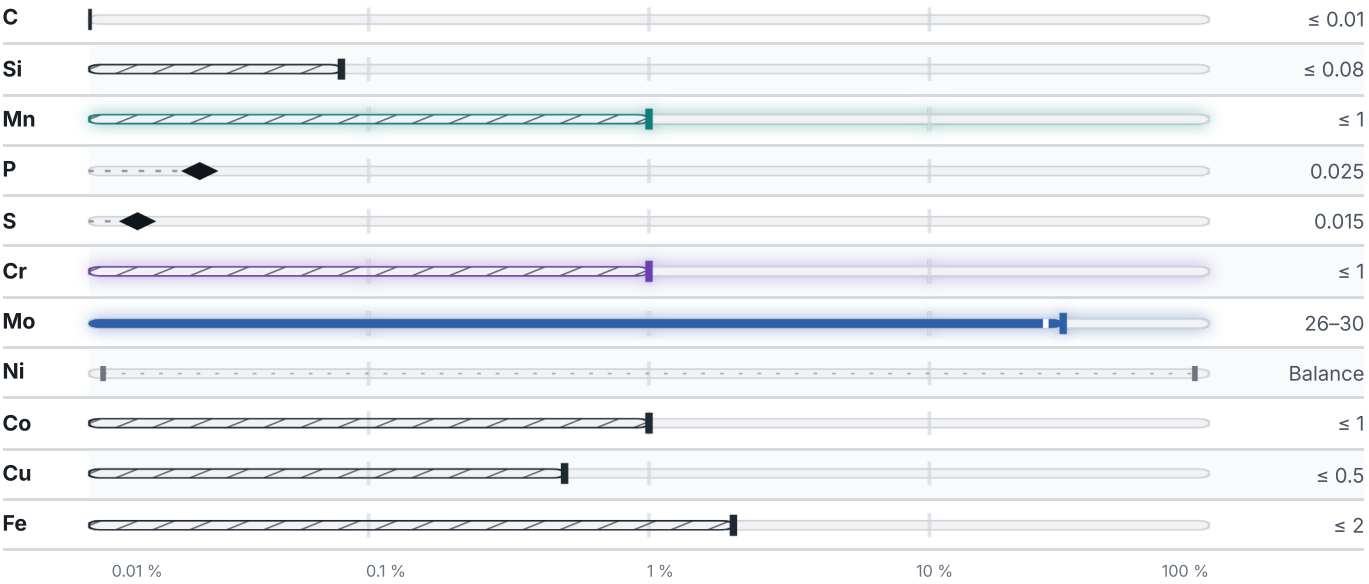
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 68.4 % · Mo — 28 % · Mn — 1 % · Cr — 1 % · Traces & impurities · 1.6 %

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

16 designations · 3 documented as identical

United States 11

N10665 This grade's own name	uns
R30008 This grade's own name	uns
B333	astm
B335	astm
B366	astm
B462	astm
B564	astm
B619	astm
B622	astm
B626	astm
B775	astm

International 2

C-NiMo31	iso
NW0665	iso

Russia / CIS 2

EP495-VI	gost
N70M-VI	gost

Europe 1

NiMo28 This grade's own name	din-en

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.

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	2.4617	Aug 20, 2026