

MATERIAL NUMBER 1.4575 · CLASS 1.4

1.4575

Chemical composition, mechanical and physical property values, and 9 standard designations from 2 regions.

DENSITY 7.7 g/cm ³	OTHER DESIGNATIONS 9 in 2 regions	PROPERTY VALUES 10 on file
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Chemical composition

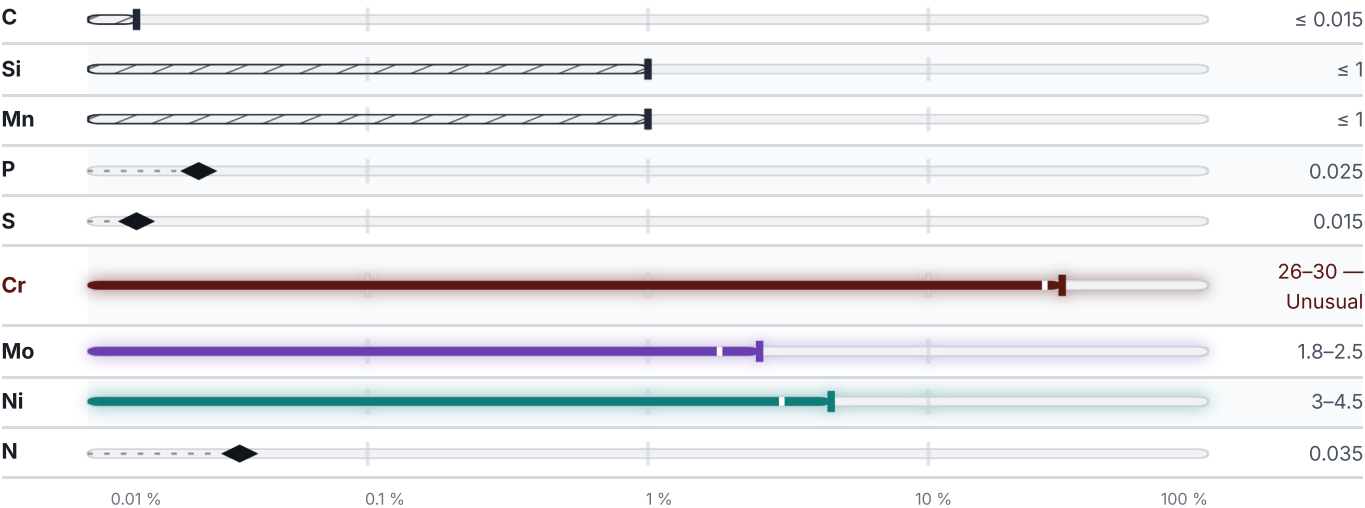
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 64 % ● Cr — 28 % ● Ni — 3.8 % ● Mo — 2.2 % ● Traces & impurities · 2.1 %

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm³

Designations across standards

9 designations · 3 documented as identical

United States		8	Europe		1
S32803	This grade's own name	uns	X1CrNiMoNb28-4-2	This grade's own name	din-en
S44635	This grade's own name	uns			
S44660		uns			
446Mo		aisi-sae			
A1012		astm			
A240		astm			
A268		astm			
A803		astm			

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 1.4575

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	1.4575	Aug 20, 2026