

MATERIAL NUMBER 1.4557 · CLASS 1.4

1.4557

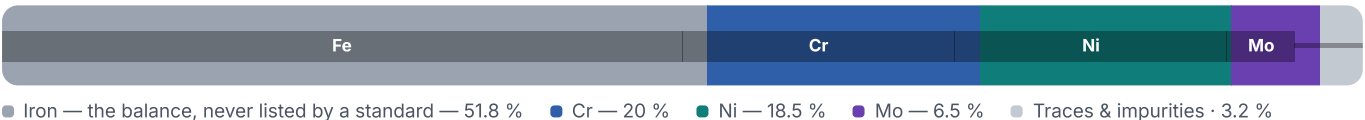
Chemical composition, mechanical and physical property values, and 9 standard designations from 4 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 9 in 4 regions	PROPERTY VALUES 11 on file
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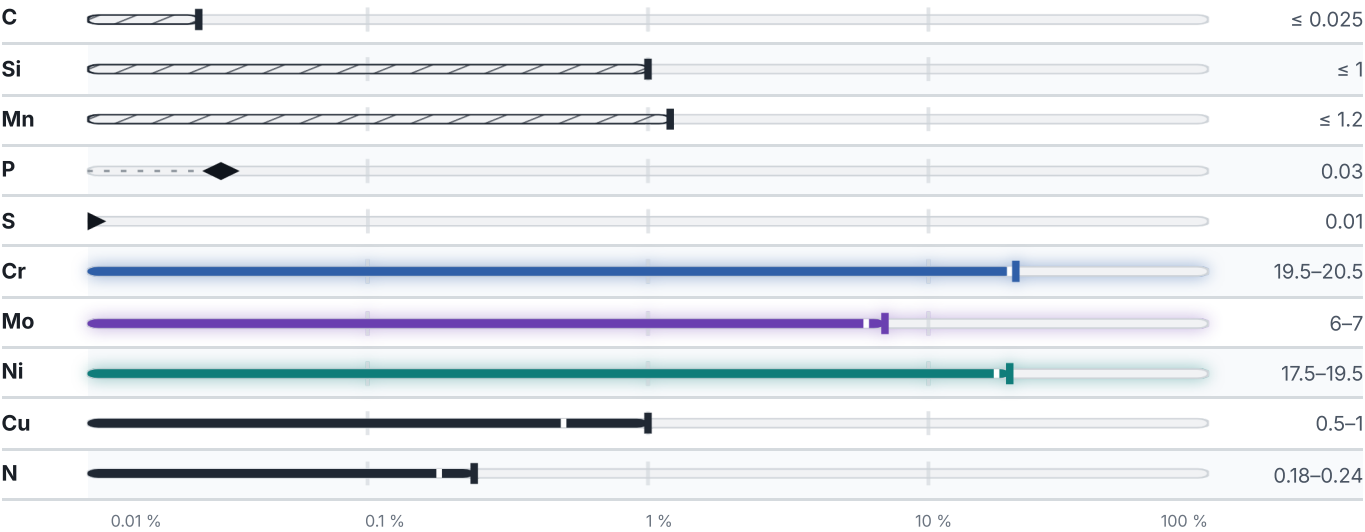
Chemical composition

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

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	7.85	g/cm³

Designations across standards

9 designations · 1 documented as identical

France	5	United States	2
DMV 420	afnor	S31254	uns
DMV 4335	afnor	S35000	uns
DMV 954	afnor		
Z1CNDU20.18.06AZ	afnor	Europe	1
Z2CNDU20-18-7Az	afnor	GX2CrNiMoCuN20-18-6	This grade's own name din-en
		China	1
		00Cr20Ni18Mo6CuN	gb

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 1.4557

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

[Start an enquiry](#)

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ISSUED
Aug 20, 2026