

MATERIAL NUMBER 2.4856 · CLASS 2.4

5581

Material no. 2.4856

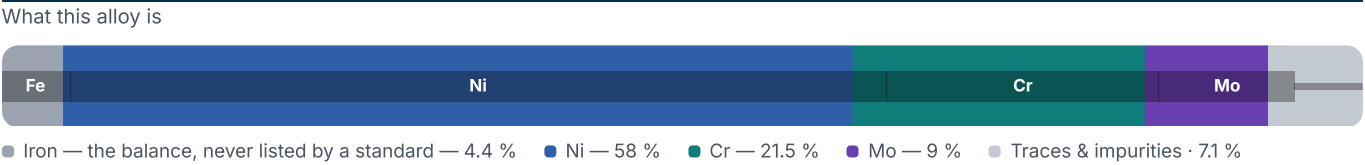
also listed as NiCr22Mo9Nb

Chemical composition, mechanical and physical property values, and 24 standard designations from 4 regions.

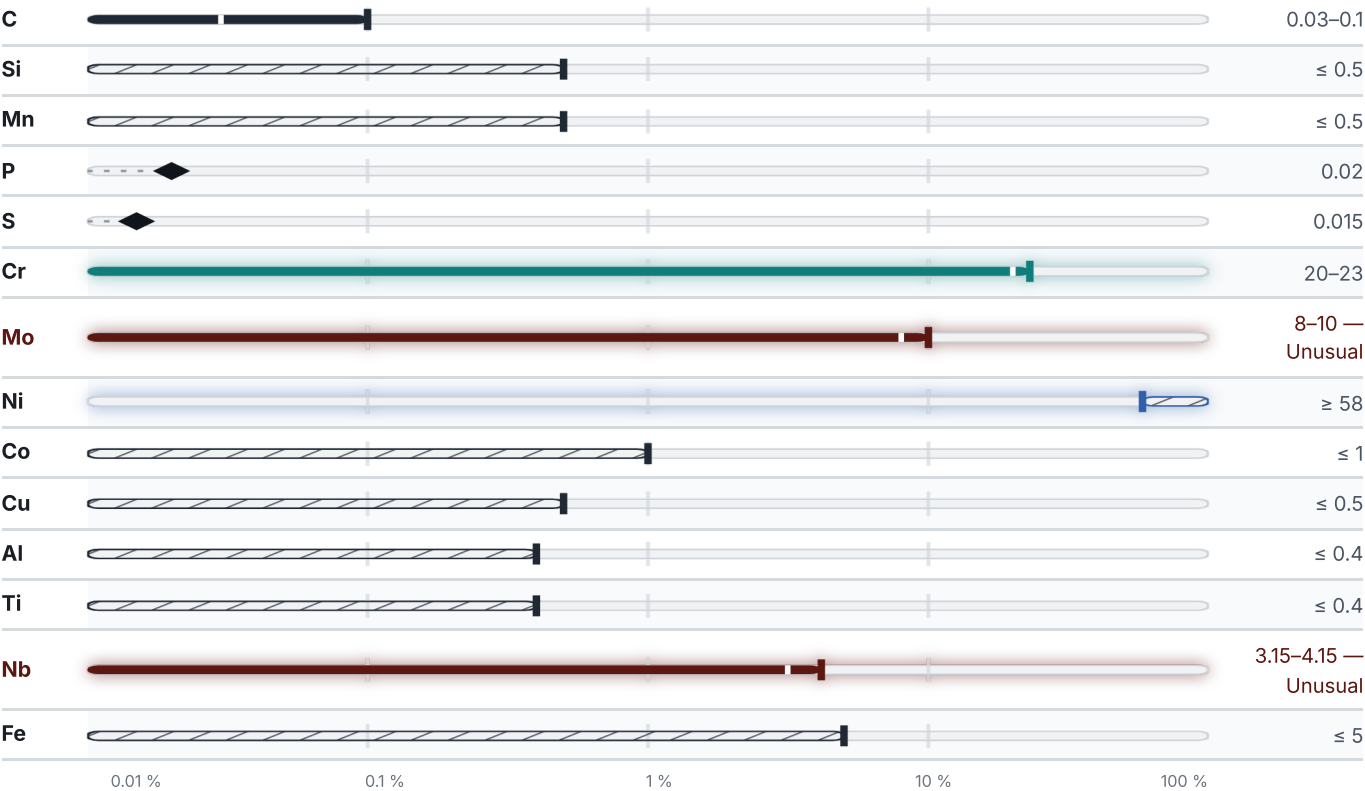
DENSITY 8.4 g/cm ³	OTHER DESIGNATIONS 24 in 4 regions	PROPERTY VALUES 15 on file
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Chemical composition

Mass fraction in %



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.

Mechanical properties

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	240

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.4	g/cm³

Designations across standards

24 designations · 4 documented as identical

United States		17	United States / Aerospace		5
N06625	This grade's own name	uns	5599		ams
N06626	This grade's own name	uns	5666		ams
N26010	This grade's own name	uns	5837		ams
N26625		uns	5869		ams
5581		aisi-sae	5879		ams
B 366		astm	Europe		
B 443		astm	1		
B 443 Gr 1		astm	NiCr22Mo9Nb	This grade's own name	din-en
B 446		astm	France		
B 564		astm	1		
B444		astm	NC 22 FeDNB		afnor
B704		astm			
B705		astm			
B751		astm			
B775		astm			
B829		astm			
F3056		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 5581

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

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ISSUED

Aug 20, 2026