SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 2.4633 · CLASS 2.4

NiCr25FeAlY

Material no. 2.4633

Chemical composition, mechanical and physical property values, and 15 standard designations from 3 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	15 in 3 regions	14 on file

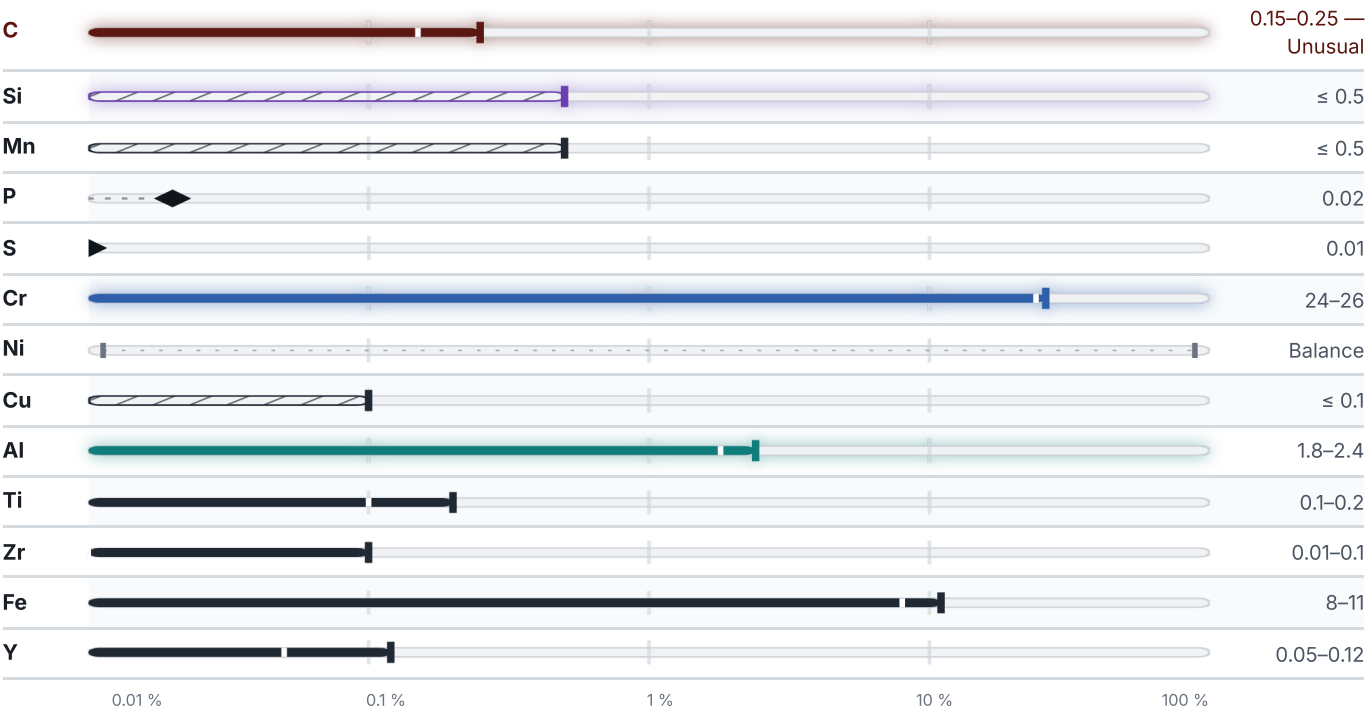
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 71.3 % · Cr — 25 % · Al — 2.1 % · Si — 0.5 % · Traces & impurities · 1.1 %

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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

15 designations · 2 documented as identical

United States 10

N06025 This grade's own name	uns
B163	astm
B166	astm
B167	astm
B168	astm
B366	astm
B462	astm
B517	astm
B546	astm
B564	astm

International 4

BNI6025	iso
ENi6025	iso
Ni6025	iso
NiCr25Fe10AlY	iso

Europe 1

NiCr25FeAlY 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.

Enquiry about NiCr25FeAlY

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	2.4633	Aug 20, 2026