

MATERIAL NUMBER 1.6743 · CLASS 1.6

1.6743

Chemical composition, mechanical and physical property values, and 5 standard designations from 4 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 5 in 4 regions	PROPERTY VALUES 9 on file
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Chemical composition

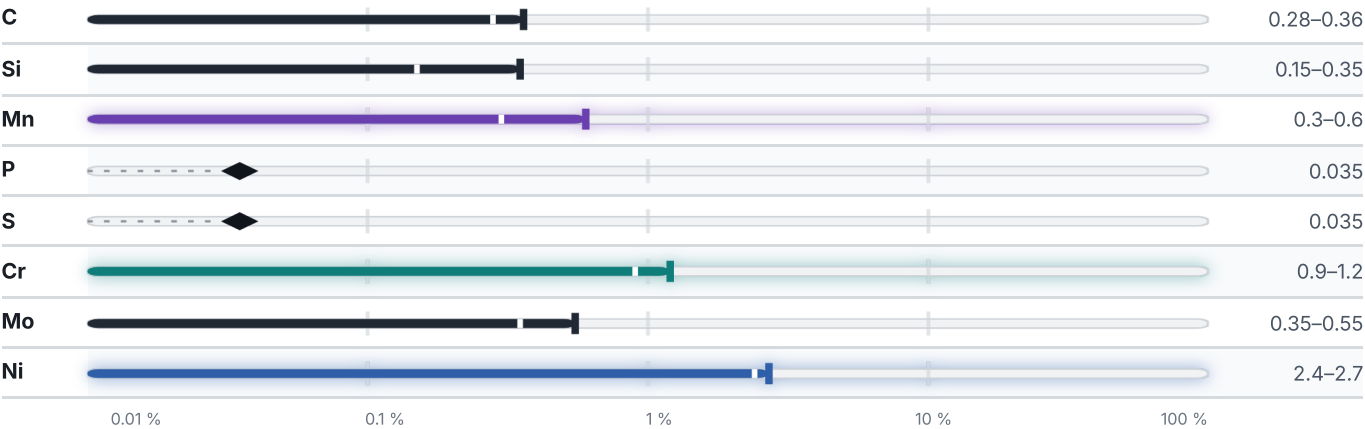
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 94.9 % ● Ni — 2.6 % ● Cr — 1.1 % ● Mo — 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

computed from composition · °C

PREDICTED AE3 747 °C	PREDICTED AE1 711 °C	PREDICTED ACM 570 °C	PREDICTED BS 491 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

5 designations · 1 documented as identical

United States	2	United Kingdom	1
K34035	uns	826M31	bs
A723 Grade 2	astm		
Europe	1	France	1
32NiCrMo10-4	This grade's own name	30NCD12	afnor
	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 1.6743

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

Start an enquiry

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

MATERIAL NO.

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ISSUED

Aug 20, 2026