

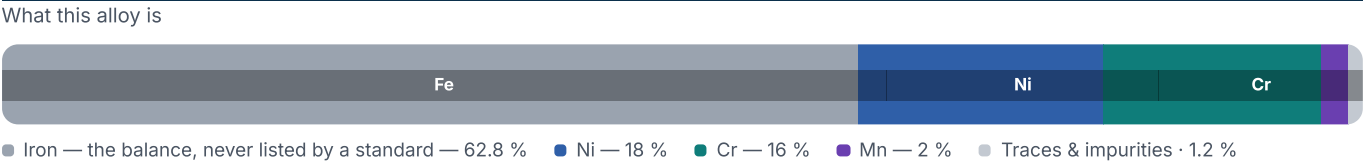
06Cr16Ni18

Chemical composition, mechanical and physical property values, and 1 standard designations from 1 regions.

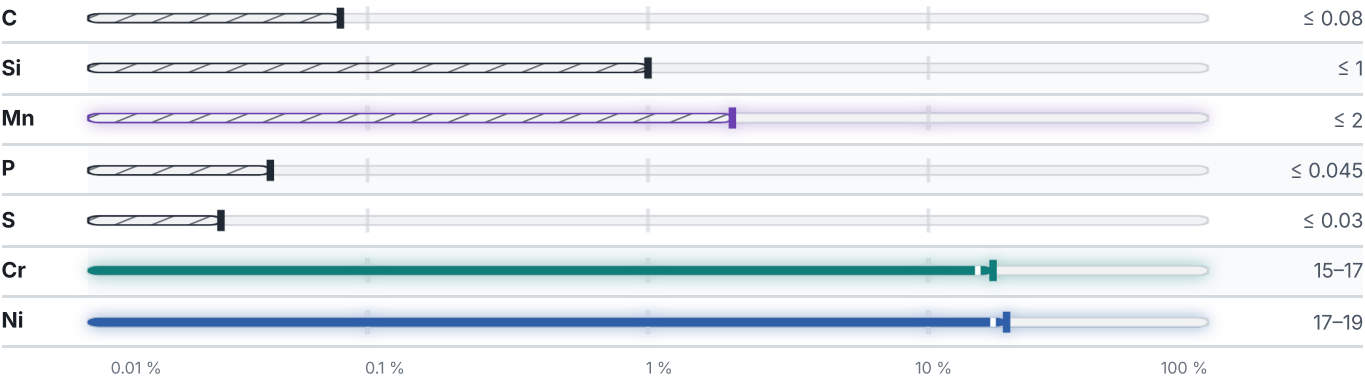
ELASTIC MODULUS 193 GPa	OTHER DESIGNATIONS 1 in 1 regions	PROPERTY VALUES 10 on file
-----------------------------------	---	--------------------------------------

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: Mo.

Physical properties

3 values

CONDITION · DIMENSION	LAMBDA W/(m·K)	CP J/(kg·K)
100	16.2	—

CONDITION · DIMENSION	LAMBDA W/(m·K)	CP J/(kg·K)
500	—	500

PROPERTY	VALUE	UNIT
Elastic modulus	193	GPa
Thermal expansion coefficient	17.3	10 ⁻⁶ /K
Electrical resistivity	750	nΩ·m

Designations across standards

1 designations · 1 documented as identical

China	1
06Cr16Ni18 This grade's own name	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 06Cr16Ni18

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	—	Aug 15, 2026