

022Cr24Ni17Mo5Mn6NbN

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

OTHER DESIGNATIONS	PROPERTY VALUES
1 in 1 regions	13 on file

Chemical composition

Mass fraction in %



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

3 values

CONDITION · DIMENSION	E GPa	ALPHA 10^-6/K
20	190	—
100	184	14.5
200	177	15.5
300	170	16.3
400	164	16.8
500	158	17.2

PROPERTY	VALUE	UNIT
Thermal conductivity	12	W/(m·K)
Specific heat capacity	450	J/(kg·K)
Electrical resistivity	920	nΩ·m

Designations across standards

1 designations · 1 documented as identical

China	1
022Cr24Ni17Mo5Mn6NbN 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 022Cr24Ni17Mo5Mn6NbN

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