

MATERIAL NUMBER 1.5662 · CLASS 1.5

G-X8Ni9

Material no. 1.5662

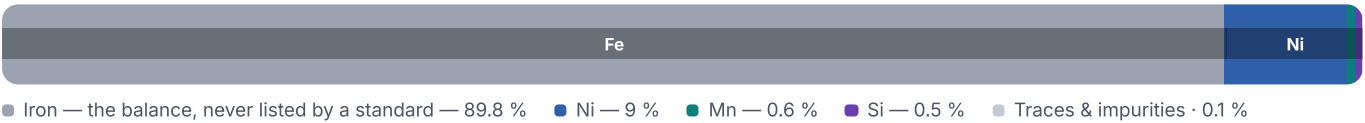
Chemical composition, mechanical and physical property values, and 16 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 16 in 6 regions	PROPERTY VALUES 7 on file
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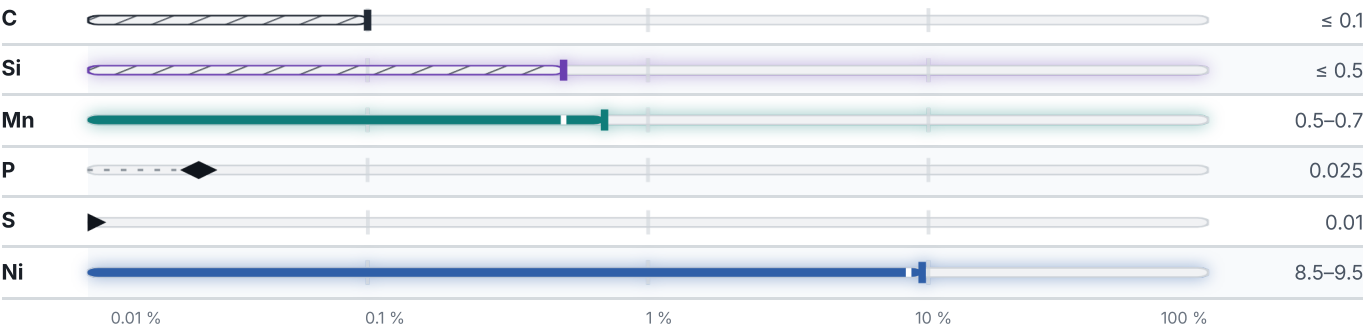
Chemical composition

Mass fraction in %

What this alloy is



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: Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

16 designations · 1 documented as identical

Europe		4	France		3
1.5662	din-en		9Ni490		afnor
G-X8Ni9	This grade's own name	din-en	Z8N09		afnor
X8Ni9		din-en	Z8N9		afnor
Z8N09		din-en			
United States		3	Spain		2
A353	aisi-sae		F.2645		une
ASTM A353	aisi-sae		XBNi09		une
A353	astm		Italy		1
			X10Ni9		uni
United Kingdom		3			
1501-509	bs				
1501-509-510	bs				
510	bs				

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 G-X8Ni9

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	1.5662	Aug 20, 2026