

MATERIAL NUMBER 1.6543 · CLASS 1.6

8622

Material no. 1.6543

also listed as 21 NiCrMo 2 2

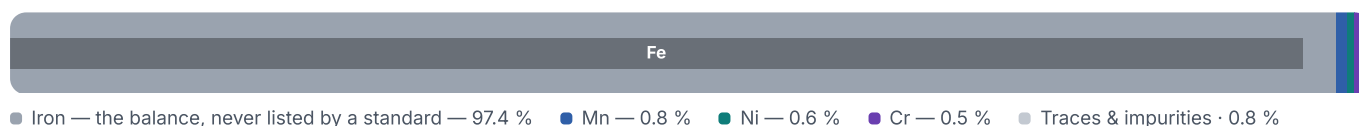
Chemical composition, mechanical and physical property values, and 18 standard designations from 3 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	18 in 3 regions	9 on file

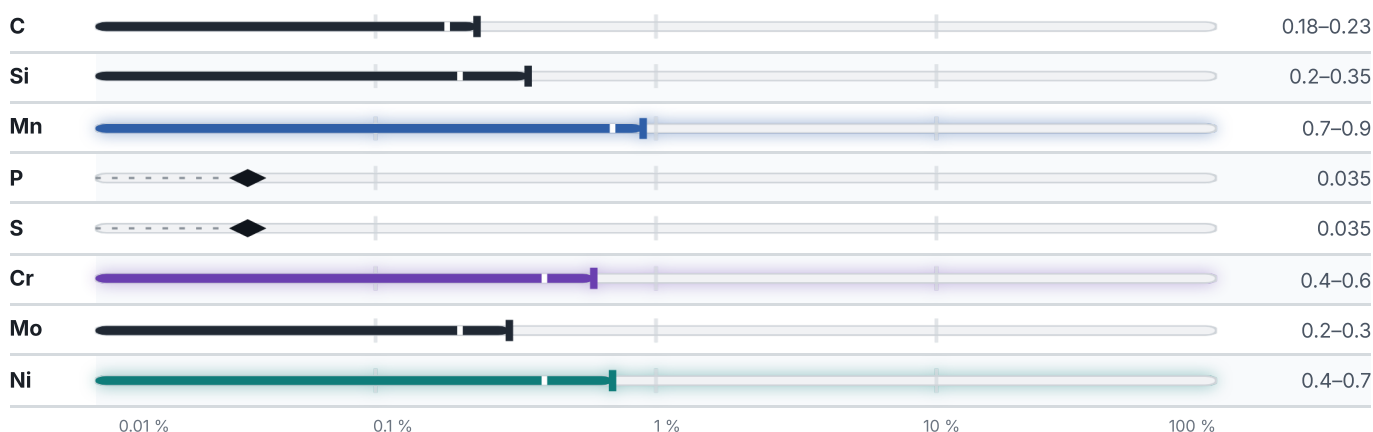
Chemical composition

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

computed from composition · °C

PREDICTED AE3	PREDICTED AE1	PREDICTED ACM	PREDICTED BS
803 °C	722 °C	466 °C	549 °C

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

18 designations · 17 documented as identical

United States		16	Europe		1
G86220	This grade's own name	uns	21 NiCrMo 2 2	This grade's own name	din-en
G87200	This grade's own name	uns			
G88200	This grade's own name	uns	Poland		1
H86220	This grade's own name	uns	22HNM		pn
H87200	This grade's own name	uns			
H88200	This grade's own name	uns			
8622	This grade's own name	aisi-sae			
8622H	This grade's own name	aisi-sae			
8622RH	This grade's own name	aisi-sae			
8719	This grade's own name	aisi-sae			
8720	This grade's own name	aisi-sae			
8720H	This grade's own name	aisi-sae			
8720RH	This grade's own name	aisi-sae			
8822	This grade's own name	aisi-sae			
8822H	This grade's own name	aisi-sae			
8822RH	This grade's own name	aisi-sae			

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 8622

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	1.6543	Aug 20, 2026