SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.6660 · CLASS 1.6

1.6660

Chemical composition, mechanical and physical property values, and 2 standard designations from 2 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	2 in 2 regions	9 on file

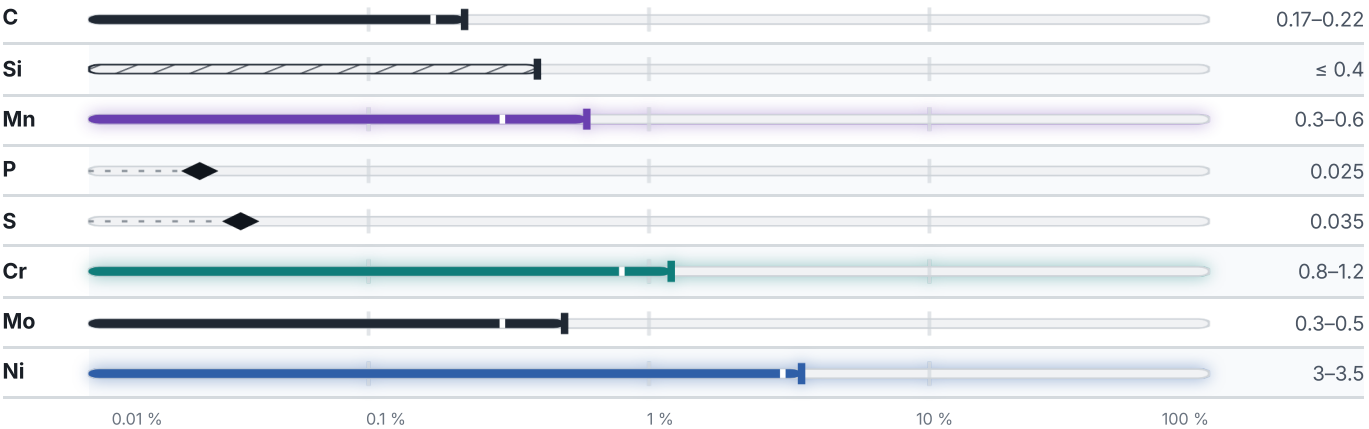
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 94.2 % · Ni — 3.3 % · Cr — 1 % · Mn — 0.4 % · 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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties

5 values across 5 conditions

TREATED TO IMPROVE SHEARABILITY	HB
Treated to improve shearability	277
SOFT ANNEALED	**HB**
Soft annealed	255
TREATED TO HARDNESS RANGE	**HB**
Treated to hardness range	207–255
TREATED TO FERRITE-PEARLITE STRUCTURE AND HARDNESS RANGE	**HB**
Treated to ferrite-pearlite structure and hardness range	197–241

CONDITION · DIMENSION	RM N/mm²
200	1400

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

2 designations · 2 documented as identical

Europe	1
20NiCrMo13-4 This grade's own name	din-en

United States	1
K41910 This grade's own name	uns

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 1.6660

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	1.6660	Aug 20, 2026