

SWOCV-V

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

OTHER DESIGNATIONS

2 in 2 regions

PROPERTY VALUES

8 on file

Chemical composition

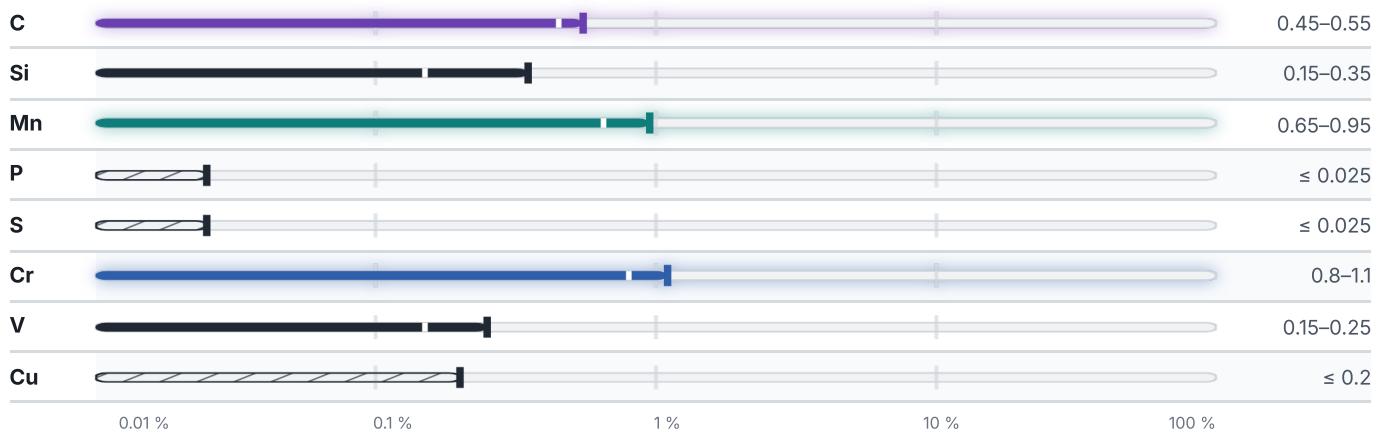
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 97.1 % ● Cr — 1 % ● Mn — 0.8 % ● C — 0.5 % ● Traces & impurities · 0.7 %

Logarithmic scale, 0.01 % to 100 % — every value here compares directly, decade by decade.



Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Mo.

Mechanical properties

3 values across 2 conditions

CONDITION · DIMENSION	RM N/mm ²	Z %
Wires	1370–1720	40–45

CONDITION · DIMENSION	RM N/mm ²
Wires	1370–1720

Designations across standards

2 designations · 2 documented as identical

Japan	1	South Korea	1
SWOCV-V This grade's own name	jis	SWOCV-V This grade's own name	ks

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 SWOCV-V

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 20, 2026