

MATERIAL NUMBER 1.2711 · CLASS 1.2

54NiCrMoV6

Material no. 1.2711

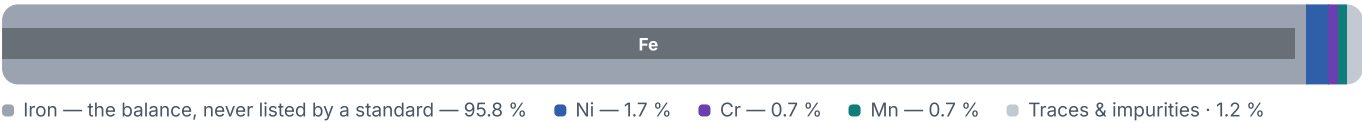
Chemical composition, mechanical and physical property values, and 24 standard designations from 17 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 24 in 17 regions	PROPERTY VALUES 10 on file
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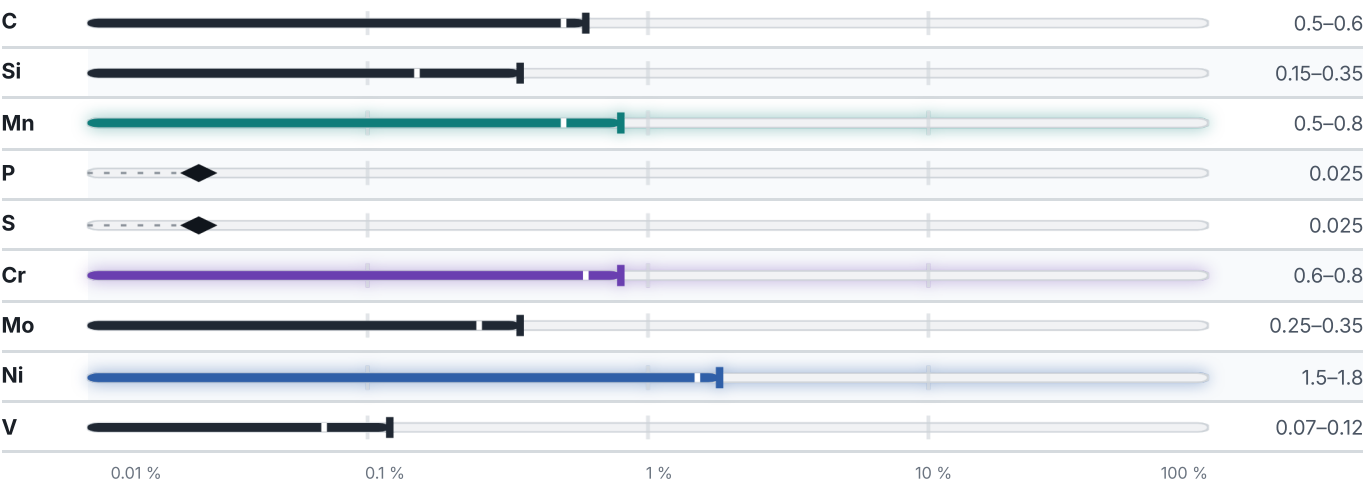
Chemical composition

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

computed from composition · °C

PREDICTED AE3 718 °C	PREDICTED AE1 712 °C	PREDICTED ACM 699 °C	PREDICTED BS 506 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

24 designations · 1 documented as identical

United States2		Europe1	
L 6	aisi-sae	54NiCrMoV6	This grade's own name din-en
T61206	aisi-sae		
France2		United Kingdom1	
55NCDV7	afnor	BH224/5	bs
55NiCrMoV7	afnor	Spain1	
Japan2		F.520S	une
SKT3	jis	China1	
SKT4	jis	5CrNiMo	gb
Russia / CIS2		Sweden1	
5KHNM	gost	2550	ss
5XHM	gost	Czechia1	
Italy2		19 662	csn
44NiCrMoV7KU	uni	Hungary1	
55NiCrMoV7KU	uni	NK	msz
Poland2		Bulgaria1	
WNL	pn	5ChNM	bds
WNL1	pn	Austria1	
Romania2		W502	onorm
55MoCrNi16	stas	South Korea1	
55VMoCrNi16	stas	STF4	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 54NiCrMoV6

Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

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ISSUED

Aug 20, 2026