

MATERIAL NUMBER 1.2779 · CLASS 1.2

1.2779

Chemical composition, mechanical and physical property values, and 15 standard designations from 3 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 15 in 3 regions	PROPERTY VALUES 12 on file
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Chemical composition

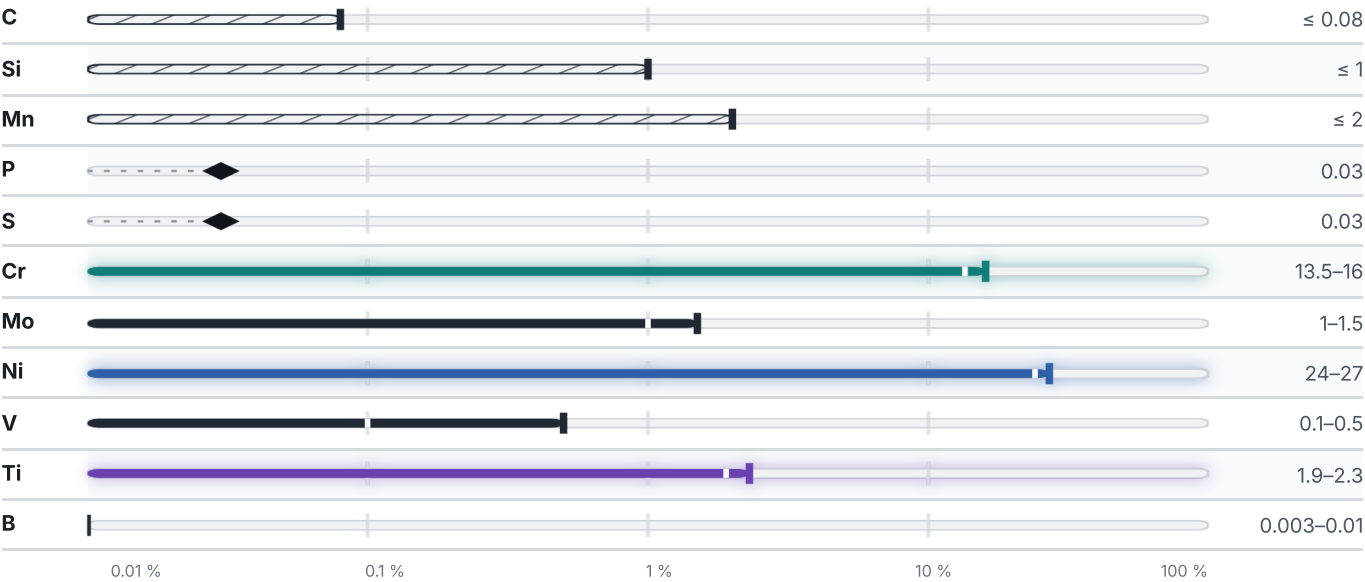
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 53 % ● Ni — 25.5 % ● Cr — 14.8 % ● Ti — 2.1 % ● Traces & impurities · 4.7 %

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

15 designations · 3 documented as identical

United States / Aerospace		10	United States		4
5525	ams		S66286	This grade's own name	uns
5723	ams		660	This grade's own name	aisi-sae
5726	ams		A453		astm
5731	ams		A638		astm
5732	ams		Europe		1
5734	ams				
5737	ams		X6NiCrTi26-15	This grade's own name	din-en
5853	ams				
5858	ams				
5895	ams				

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 1.2779

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

MATERIAL NO.

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ISSUED

Aug 20, 2026