

MATERIAL NUMBER 1.0556 · CLASS 1.0

A1011 Grade 55 Class 1

Material no. 1.0556

also listed as H 400 LA

Chemical composition, mechanical and physical property values, and 9 standard designations from 3 regions.

DENSITY

7.85 g/cm³

OTHER DESIGNATIONS

9 in 3 regions

PROPERTY VALUES

9 on file

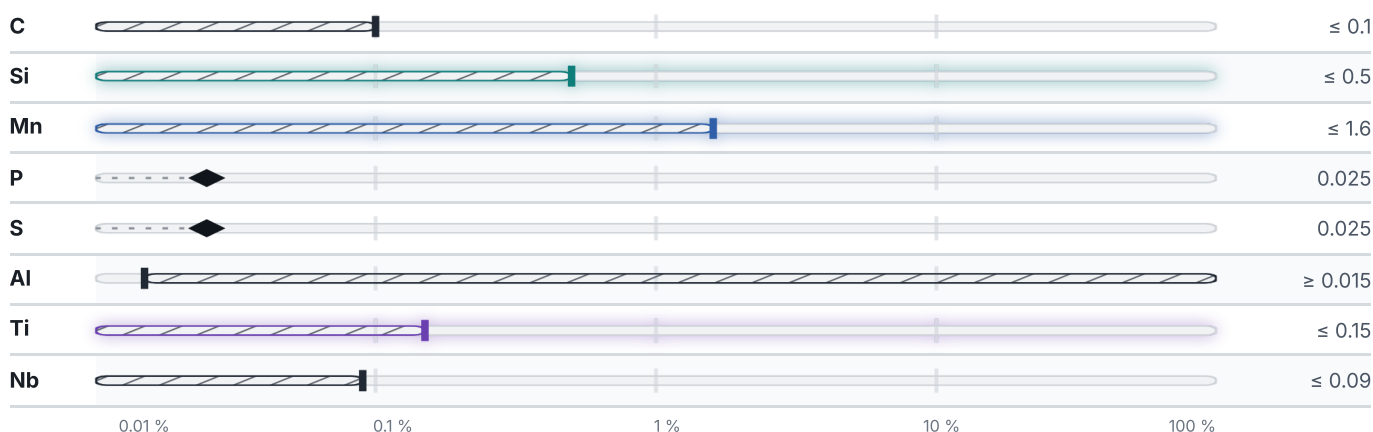
Chemical composition

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

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

Mechanical properties

3 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A %
Sheet/Strip	590	355	17–18

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

9 designations · 6 documented as identical

Europe		4	United States		4
H 400 LA	This grade's own name	din-en	Gr.60		aisi-sae
HC 420 LS	This grade's own name	din-en	A1008	This grade's own name	astm
HC420LA		din-en	A1011 Grade 55 Class 1	This grade's own name	astm
ZStE 420	This grade's own name	din-en	A1011 Grade 55 Class 2	This grade's own name	astm
			Japan		1
			SPFC590		jis

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 A1011 Grade 55 Class 1

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	1.0556	Aug 20, 2026