

MATERIAL NUMBER 1.3543 · CLASS 1.3

X102CrMo17

Material no. 1.3543

Chemical composition, mechanical and physical property values, and 15 standard designations from 5 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	15 in 5 regions	8 on file

Chemical composition

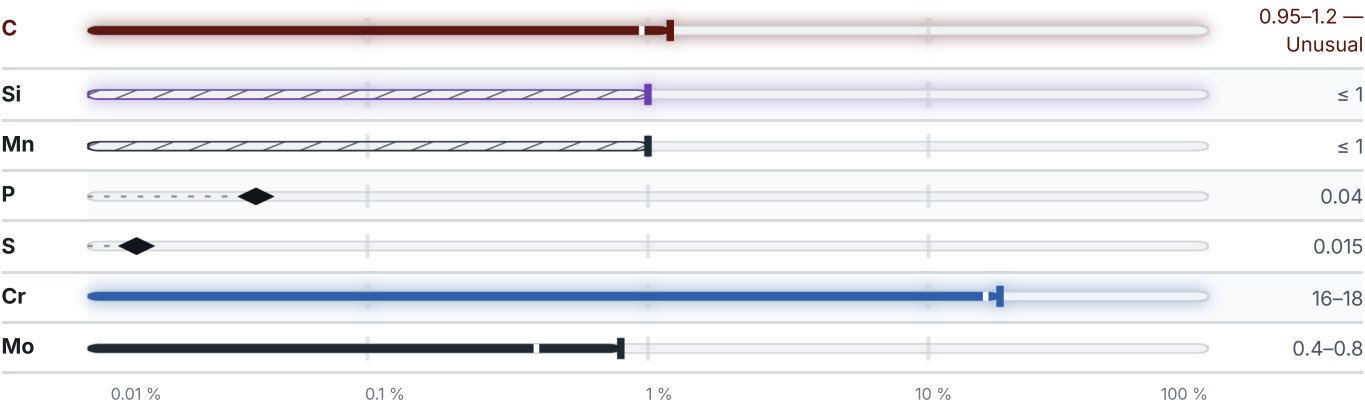
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 79.3 % ● Cr — 17 % ● C — 1.1 % ● Si — 1 % ● Traces & impurities · 1.7 %

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

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

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

15 designations · 3 documented as identical

United States		9	Europe		2
S44002	uns		X102CrMo17	This grade's own name	din-en
S44003	uns		X108CrMo17	This grade's own name	din-en
S44004	uns				
S44020	uns		Russia / CIS		2
440A	aisi-sae		95Ch18		gost
440B	aisi-sae		95Kh18		gost
440C	aisi-sae				
440F	aisi-sae		International		1
A756B52 X108CrMo17	This grade's own name	astm	X108CrMo17		iso
Poland					1
H18					pn

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 X102CrMo17

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	1.3543	Aug 20, 2026