

MATERIAL NUMBER 1.4724 · CLASS 1.4

1X12C10

Material no. 1.4724

also listed as X10CrAl13

Chemical composition, mechanical and physical property values, and 33 standard designations from 15 regions.

DENSITY**7.7** g/cm³**OTHER DESIGNATIONS****33** in 15 regions**PROPERTY VALUES****8** on file

Chemical composition

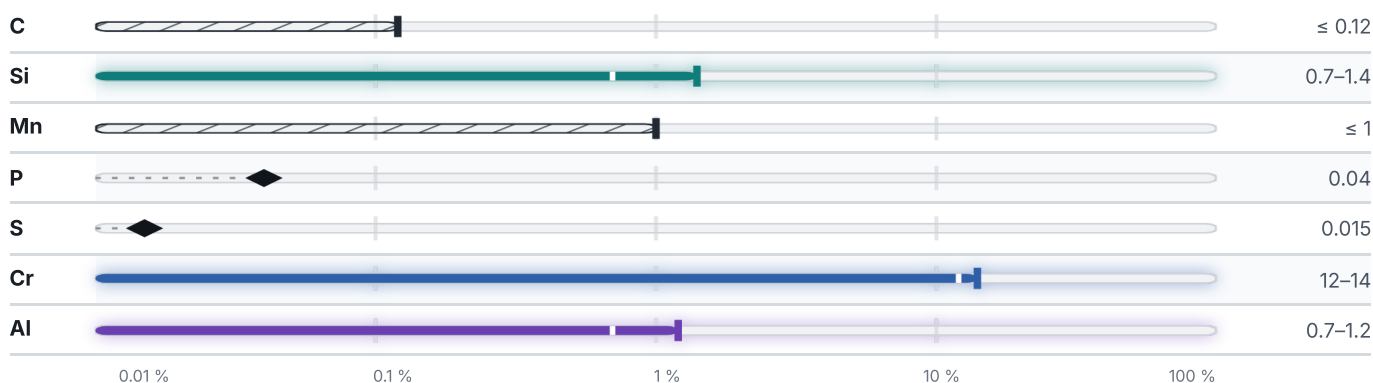
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 83.8 % ● Cr — 13 % ● Si — 1 % ● Mn — 1 % ● Traces & impurities · 1.1 %

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, Mo.

Mechanical properties

5 values across 2 conditions

SOFT ANNEALED				HB
Soft annealed				192
CONDITION · DIMENSION	RM N/mm²	RE N/mm²	A5 %	Z %
Bar, GOST 5949-75	490	345	15	60

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm³

Designations across standards

33 designations · 2 documented as identical

Russia / CIS		6	France		2
10Ch13SJυ	gost		Z10C13		afnor
10KH13SYU	gost		Z13C13		afnor
10X13CЮ	gost		Italy		2
1X12CЮ	gost		X10CrA112		uni
сТ.10X13CЮ	gost		X10CrAl12		uni
ЭИ404	gost				
Spain		5	Japan		1
F.13152-X 10 CrAl13	une		SUS405		jis
F.311	une		China		1
F.3152	une		OCr13Al		gb
X10CrAl13	une		Czechia		1
X10CrAlSi13	une		17125		csn
Europe		4	Slovakia		1
1.4724	din-en		17 125		stn
X10CrA113	din-en		Serbia		1
X10CrAl13	din-en	This grade's own name	Č.4972		srps
X10CrAlSi13	din-en	This grade's own name	Poland		1
United States		4	H13JS		pn
405	aisi-sae		Hungary		1
MT405	aisi-sae		H12		msz
S40500	aisi-sae		Bulgaria		1
A 268 TP405	astm		Ch13SJυ		bds
United Kingdom		2			
403S17	bs				
X10CrAlSi13	bs				

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 1X12C10

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

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ISSUED
Aug 20, 2026