

MATERIAL NUMBER 1.5732 · CLASS 1.5

1.5732

Chemical composition, mechanical and physical property values, and 21 standard designations from 14 regions.

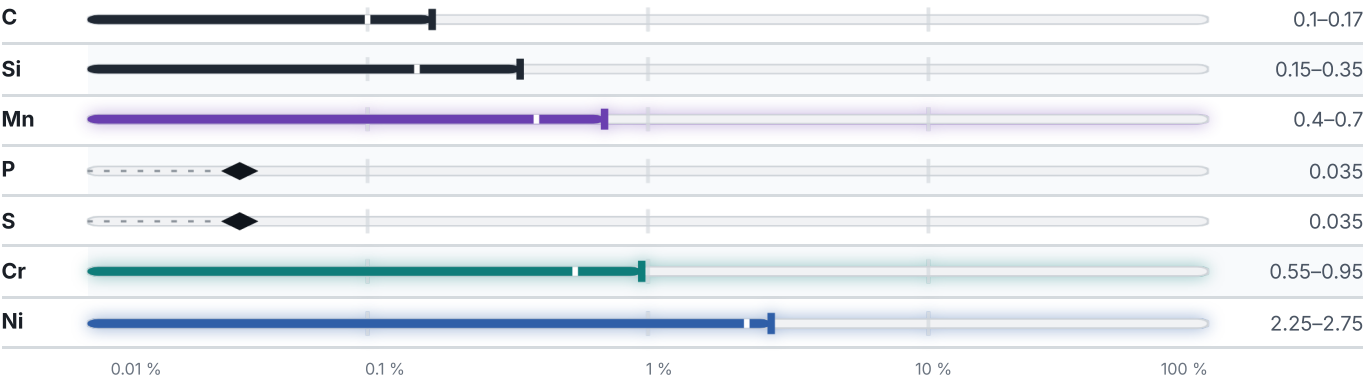
DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 21 in 14 regions	PROPERTY VALUES 15 on file
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Chemical composition

Mass fraction in %



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: Mo.

Mechanical properties

8 values across 2 conditions

CONDITION · DIMENSION	RM N/mm ²	A5 %	HB
Pipe, GOST 21729-76	490	16	–

CONDITION · DIMENSION	RM N/mm²	A5 %	HB
(annealing) , GOST 4543-71	–	–	217

QUENCHING AND DRAWING	RM N/mm²	RE N/mm²	A5 %	Z %	KCU kJ/m²
Ø 15	930	685	11	55	880

Physical properties

8 values

CONDITION · DIMENSION	RHO g/cm³	E GPa	ALPHA 10 ⁻⁶ /K	LAMBDA W/(m·K)	CP J/(kg·K)
20	7.85	200	–	–	–
100	7.83	–	11.8	31	–
200	7.8	–	13	–	–
300	7.76	–	14	–	–
400	7.72	–	14.7	26	528
500	7.68	–	15.3	–	540
600	7.64	–	15.6	–	565

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³
Transformation point Ac1	715	°C
Transformation point Ac3	773	°C
Transformation point Ar3	726	°C
Transformation point Ar1	659	°C

Technological properties

PROPERTY	VALUE	UNIT
Weldability	limited weldability.	
Flake sensitivity	predisposed	
Temper brittleness	predisposed	

Designations across standards

21 designations · 2 documented as identical

Japan	4	Europe	2
SNC415	jis	1.5732	din-en
SNC415(H)	jis	14NiCr10	This grade's own name din-en
SNC815	jis		
SNC815H	jis		

France	2	Italy	1
10NC11	afnor	16NiCr11	uni
14NC11	afnor		
Spain	2	Czechia	1
15NiCr11	une	16420	csn
F.1540- 15 NiCr 11	une	Poland	1
		12HN3A	pn
Russia / CIS	2	Serbia	1
12KHN3A	gost	Č.5425	srps
12XH3A	gost		
United States	1	Hungary	1
3415 This grade's own name	aisi-sae	BNC2	msz
United Kingdom	1	Romania	1
655M13	bs	13CrNi30q	stasz
		Bulgaria	1
		12ChN3A	bds

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 1.5732

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	1.5732	Aug 20, 2026