

MATERIAL NUMBER 1.0332 · CLASS 1.0

AP11

Material no. 1.0332

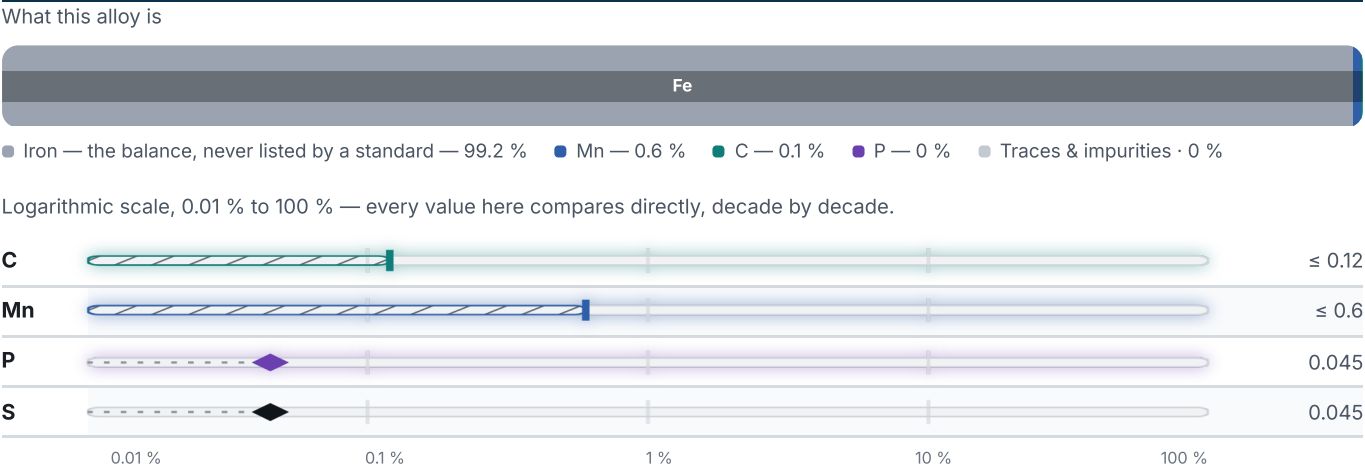
also listed as DD 11

Chemical composition, mechanical and physical property values, and 42 standard designations from 16 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 42 in 16 regions	PROPERTY VALUES 5 on file
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Chemical composition

Mass fraction in %



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: Si, Ni, Cr, Mo.

Mechanical properties

10 values across 3 conditions

CONDITION · DIMENSION	REH N/mm ²	A80 % · Lo = 80 mm	A % · Lo = 5,65 √So
1–2	170–360	–	–

CONDITION · DIMENSION	REH N/mm ²	A80 % · Lo = 80 mm	A % · Lo = 5,65 √So
1 – 1.5	–	22	–
1.5 – 2	–	23	–
2 – 11	170–340	–	–
2 – 3	–	24	–
3 – 11	–	–	28

CONDITION · DIMENSION	RM N/mm ²	A %
Plate/Sheet Hot-rolled	270	30–39

CONDITION · DIMENSION	RM N/mm ²	A %
Plate/Sheet	270	30–39

Physical properties			1 values
PROPERTY	VALUE	UNIT	
Density	7.85	g/cm ³	

Designations across standards		42 designations · 4 documented as identical	
United States12		Europe3	
1015	aisi-sae	CS	din-en
1017	aisi-sae	DD 11	This grade's own namedin-en
A366	aisi-sae	StW 22	This grade's own namedin-en
A621	aisi-sae		
A621CQ	aisi-sae		
CS	aisi-sae		
G10080	aisi-sae		
G10150	aisi-sae		
G10170	aisi-sae		
M1015	aisi-sae		
M1017	aisi-sae		
A 1011CS Type B	This grade's own nameastm		
United Kingdom4		Russia / CIS3	
1449-4HR	bs	15kp	gost
14HR	bs	15κп	gost
DD11	bs	ст.15κп	gost
HR3	bs		

Czechia	2	Austria	2
11320	csn	St12F	onorm
11331	csn	St22F	onorm
Poland	2	International	1
08J	pn	HR2	iso
15X	pn	China	1
Australia / New Zealand	2	15F	gb
CA1	as-nzs	Italy	1
HA1	as-nzs	FeP11	uni
Bulgaria	2	South Korea	1
15kp	bds	SPHD This grade's own name	ks
DD11	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 AP11

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	1.0332	Aug 20, 2026