

MATERIAL NUMBER 1.6747 · CLASS 1.6

1.6747

Chemical composition, mechanical and physical property values, and 15 standard designations from 7 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 15 in 7 regions	PROPERTY VALUES 9 on file
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Chemical composition

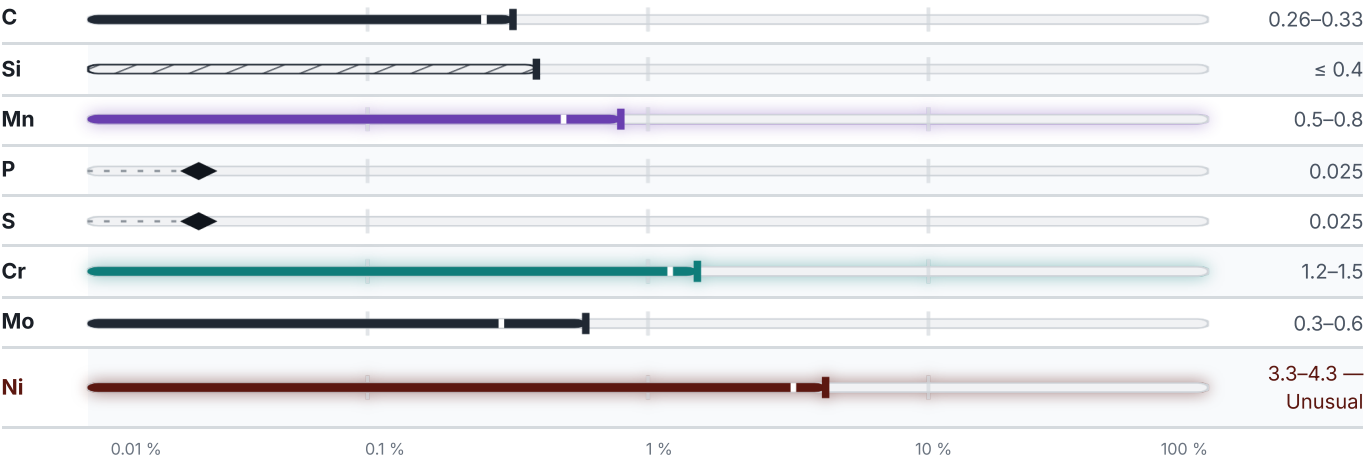
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 93 % ● Ni — 3.8 % ● Cr — 1.4 % ● Mn — 0.7 % ● Traces & impurities · 1.2 %

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties

6 values across 2 conditions

QUENCHED AND TEMPERED · ROUND PRODUCTS	A % · Lo = 5,65 √So
≤ 16	10
16 – 40	10
40 – 100	10
100 – 160	11
160 – 250	11
SOFT ANNEALED	HB
Soft annealed	270

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

15 designations · 1 documented as identical

France	4	Spain	2
35NCD14	afnor	F.1260	une
35NCD16	afnor	F.1260-32 NiCrMo 16	une
35NiCrMo14	afnor	Europe	1
35NiCrMo16	afnor	30NiCrMo16-6 This grade's own name	din-en
Russia / CIS	3	United Kingdom	1
36Ch2N4MA	gost	835M30	bs
36H2N4MA	gost	Italy	1
36Kh2N4MA	gost	35NiCrMo15	uni
Poland	3		
32HN3M	pn		
34HN3M	pn		
36HNM	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 1.6747
Quotation, availability, mill certificate or a technical question — directly on the material page.

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GRADE SEARCH

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ISSUED

Aug 20, 2026