

MATERIAL NUMBER EN-JL1040

F12401

Material no. EN-JL1040

also listed as EN-GJL-250

Chemical composition, mechanical and physical property values, and 36 standard designations from 22 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 36 in 22 regions	PROPERTY VALUES 2 on file
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Chemical composition

Mass fraction in %

No chemical composition is on file for this material number.

Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: C, Mn, Si, Ni, Cr, Mo.

Mechanical properties

2 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	HB
Casting, GOST 1412-85	250	—
GOST 1412-85	—	156–260

Physical properties

2 values

CONDITION · DIMENSION	RHO g/cm ³	E GPa	ALPHA 10 ^{^-6} /K	LAMBDA W/(m·K)	CP J/(kg·K)
20	7.2	100	—	50	—
100	—	—	10	—	500

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³
nu	0.26	

Designations across standards

36 designations · 3 documented as identical

United States	5	Spain	1
F12401 This grade's own name	uns	FG25	une
A48-40B	aisi-sae	International	1
C1.35B	aisi-sae	250	iso
No 35 B	aisi-sae	China	1
No.35	aisi-sae	HT250	gb
United Kingdom	3	Italy	1
250	bs	G25	uni
260	bs	Czechia	1
Grade 260	bs	422425	csn
Sweden	3	Latin America	1
0125	ss	FG250	copant
0125-00	ss	Hungary	1
0125	ss	OV25	msz
Europe	2	Romania	1
EN-GJL-250 This grade's own name	din-en	FC250	stas
GG-25 This grade's own name	din-en	Australia / New Zealand	1
France	2	T260	as-nzs
FGL250	afnor	Bulgaria	1
Ft 25 D	afnor	Vch25	bds
Japan	2	Belgium	1
FC25	jis	FGG25	nbn
FC250	jis	Netherlands	1
Russia / CIS	2	GG25	nen
SCH25	gost	Taiwan	1
C425	gost	FC250	cns
Poland	2		
Z125	pn		
ZI250	pn		
Austria	2		
GG25	onorm		
GG250	onorm		

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 F12401

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

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ISSUED
Aug 20, 2026