

MATERIAL NUMBER EN-JL1050

No.45

Material no. EN-JL1050

also listed as EN-GJL-300

Chemical composition, mechanical and physical property values, and 33 standard designations from 22 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	33 in 22 regions	2 on file

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	300	—
GOST 1412-85	—	163–270

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	7.3	130	—	46	—
100	—	—	10.5	—	525

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³
nu	0.26	

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
Quenching	1050–1100 °C	Water

Designations across standards

33 designations · 3 documented as identical

United States	3	Spain	1
F13101 This grade's own name	uns	FG30	une
No 45 B	aisi-sae		
No.45	aisi-sae	International	1
		300	iso
France	3	Japan	1
FGL300	afnor	FC300	jis
Ft 30 D	afnor		
Ft30	afnor	China	1
		HT300	gb
Sweden	3	Italy	1
O130	ss	G30	uni
O130-00	ss		
O130	ss	Czechia	1
		422430	csn
Europe	2	Latin America	1
EN-GJL-300 This grade's own name	din-en	FG300	copant
GG-30 This grade's own name	din-en		
		Hungary	1
United Kingdom	2	OV30	msz
300	bs		
Grade 300	bs	Romania	1
		FC300	stas
Russia / CIS	2		
SCH30	gost	Australia / New Zealand	1
C430	gost	T300	as-nzs
Poland	2	Bulgaria	1
Z130	pn	Vch30	bds
Z1300	pn		
Austria	2	Belgium	1
GG30	onorm	FGG30	nbn
GG300	onorm		

Netherlands	1	Taiwan	1
GG30	nen	FC300	cns

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 No.45

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	EN-JL1050	Aug 20, 2026