

MATERIAL NUMBER EN-JL1050

No 45 B

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 7.85 g/cm ³	OTHER DESIGNATIONS 33 in 22 regions	PROPERTY VALUES 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/mm²	HB
Casting, GOST 1412-85	300	—
GOST 1412-85	—	163–270

Physical properties					2 values
CONDITION · DIMENSION	RHO g/cm³	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/cm³
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		
Europe	2	Czechia	1
EN-GJL-300 This grade's own name	din-en	422430	csn
GG-30 This grade's own name	din-en		
		Latin America	1
United Kingdom	2	FG300	copant
300	bs		
Grade 300	bs	Hungary	1
		OV30	msz
Russia / CIS	2		
SCH30	gost	Romania	1
C430	gost	FC300	stas
Poland	2	Australia / New Zealand	1
Z130	pn	T300	as-nzs
Z1300	pn		
		Bulgaria	1
Austria	2	Vch30	bds
GG30	onorm		
GG300	onorm	Belgium	1
		FGG30	nbn

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 B

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