

MATERIAL NUMBER EN-JL1050

EN-JL1050

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

DENSITY 7.85 g/cm³	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		

PROPERTY	VALUE	UNIT
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 States3			International1		
F13101	This grade's own name	uns	300		iso
No 45 B		aisi-sae			
No.45		aisi-sae	Japan		1
			FC300		jis
France3			China		1
FGL300		afnor	HT300		gb
Ft 30 D		afnor			
Ft30		afnor	Italy		1
Sweden3			G30		uni
0130		ss	Czechia		1
0130-00		ss			
O130		ss	422430		csn
Europe2			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 Kingdom2			OV30		msz
300		bs	Romania		1
Grade 300		bs			
			FC300		stas
Russia / CIS2			Australia / New Zealand		1
SCH30		gost			
C430		gost	T300		as-nzs
Poland2			Bulgaria		1
Z130		pn	Vch30		bds
Z1300		pn			
Austria2			Belgium		1
GG30		onorm	FGG30		nbn
GG300		onorm			
Spain1			Netherlands		1
FG30		une	GG30		nen
			Taiwan		1
			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 EN-JL1050
Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry

DATASHEET ONLINE
View the material page

GRADE SEARCH
Search all grades

MATERIAL NO.
EN-JL1050

ISSUED
Aug 20, 2026