

MATERIAL NUMBER EN-JL1010

FG100

Material no. EN-JL1010

also listed as EN-GJL-100

Chemical composition, mechanical and physical property values, and 26 standard designations from 17 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	26 in 17 regions	1 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	100	—
GOST 1412-85	—	120–205

Physical properties

1 values

CONDITION · DIMENSION	RHO g/cm ³	E GPa	ALPHA 10 ⁻⁶ /K	LAMBDA W/(m·K)	CP J/(kg·K)
20	6.8	90	—	60	—
100	—	—	8	—	460

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

26 designations · 2 documented as identical

United States	4	Spain	1
A48-20B	aisi-sae	FG10	une
Class20B	aisi-sae		
No 20 B	aisi-sae	International	1
No.20	aisi-sae	100	iso
Sweden	3	China	1
O110	ss	HT100	gb
O110-00	ss		
O110	ss	Italy	1
Europe	2	G10	uni
EN-GJL-100 This grade's own name	din-en	Czechia	1
GG-10 This grade's own name	din-en	422410	csn
France	2	Latin America	1
Ft 10 D	afnor	FG100	copant
Ft10	afnor		
Japan	2	Poland	1
FC10	jis	Z1100	pn
FC100	jis		
Russia / CIS	2	Austria	1
SCH10	gost	GG100	onorm
C410	gost	Belgium	1
United Kingdom	1	FGG10	nbn
100	bs	Taiwan	1
		FC100	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 FG100
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-JL1010	ISSUED Aug 20, 2026
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