

MATERIAL NUMBER EN-JL1010

FC100

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 7.85 g/cm ³	OTHER DESIGNATIONS 26 in 17 regions	PROPERTY VALUES 1 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	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	International	1
No 20 B	aisi-sae	100	iso
No.20	aisi-sae		
Sweden	3	China	1
O110	ss	HT100	gb
O110-00	ss	Italy	1
O110	ss	G10	uni
Europe	2	Czechia	1
EN-GJL-100 This grade's own name	din-en	422410	csn
GG-10 This grade's own name	din-en	Latin America	1
France	2	FG100	copant
Ft 10 D	afnor	Poland	1
Ft10	afnor	Z1100	pn
Japan	2	Austria	1
FC10	jis	GG100	onorm
FC100	jis	Belgium	1
Russia / CIS	2	FGG10	nbn
SCH10	gost	Taiwan	1
C410	gost	FC100	cns
United Kingdom	1		
100	bs		

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 FC100
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-JL1010	Aug 20, 2026