

MATERIAL NUMBER EN-JS1080

FGS800-2

Material no. EN-JS1080

also listed as EN-GJS-800-2

Chemical composition, mechanical and physical property values, and 21 standard designations from 17 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	21 in 17 regions	3 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

4 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %	HB
Casting, GOST 7293-85	800	480	2	—
GOST 7293-85	—	—	—	248–351

Physical properties

2 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³
nu	0.275	

Designations across standards

21 designations · 2 documented as identical

Europe	2	International	1
EN-GJS-800-2 This grade's own name	din-en	800-2	iso
GGG-80 This grade's own name	din-en		
Japan	2	China	1
FCD80	jis	QT800-2	gb
FCD800	jis	Italy	1
Russia / CIS	2	GS800-2	uni
VCH80	gost	Sweden	1
B480	gost	0864-03	ss
Poland	2	Czechia	1
Zs80002	pn	422308	csn
ZS8002	pn		
United States	1	Australia / New Zealand	1
120-90-02	aisi-sae	800-2	as-nzs
United Kingdom	1	Bulgaria	1
800/2	bs	800-2	bds
France	1	Belgium	1
FGS800-2	afnor	FNG80-2	nbn
Spain	1	Finland	1
FGE80-2	une	GRP800	sfs

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 FGS800-2

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-JS1080	Aug 20, 2026