

MATERIAL NUMBER EN-JS1083

EN-GJS-500-7C

Material no. EN-JS1083

Chemical composition, mechanical and physical property values, and 29 standard designations from 21 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	29 in 21 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.
--

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

29 designations · 2 documented as identical

United States	3	United Kingdom	2
65-45-12	aisi-sae	500/7	bs
70-50-05	aisi-sae	SNG 500	bs
80-55-06	aisi-sae		
Europe	2	Russia / CIS	2
EN-GJS-500-7C This grade's own name	din-en	VCH50	gost
GGG-50 This grade's own name	din-en	B450	gost

Italy	2	Sweden	1
GS 500	uni	07 27-02	ss
GS500-7	uni		
Poland	2	Czechia	1
ZS5002	pn	422305	csn
Zs5007	pn		
Austria	2	Latin America	1
GGG500	onorm	FMNP55005	copant
SG50	onorm		
France	1	Hungary	1
FGS 500-7	afnor	GoV50	msz
Spain	1	Australia / New Zealand	1
FGE 50-7	une	500-7	as-nzs
International	1	Bulgaria	1
500-7	iso	500-2	bds
Japan	1	Belgium	1
FCD500	jis	FNG50-7	nbn
China	1	Netherlands	1
QT500-7	gb	GN50	nen
		Finland	1
		GRP500	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 EN-GJS-500-7C

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-JS1083

ISSUED

Aug 20, 2026