

MATERIAL NUMBER EN-JS1083

EN-JS1083

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

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 29 in 21 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.

Physical properties			1 values
PROPERTY	VALUE	UNIT	
Density	7.85	g/cm³	

Designations across standards	29 designations · 2 documented as identical
United States3	United Kingdom2
65-45-12aisi-sae	500/7bs
70-50-05aisi-sae	SNG 500bs
80-55-06aisi-sae	
Europe2	Russia / CIS2
EN-GJS-500-7CThis grade's own namedin-en	VCH50gost
GGG-50This grade's own namedin-en	B450gost
	Italy2
	GS 500uni
	GS500-7uni

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

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-JS1083

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-JS1083	Aug 20, 2026