

65C2ГBA

also listed as 65S2VA

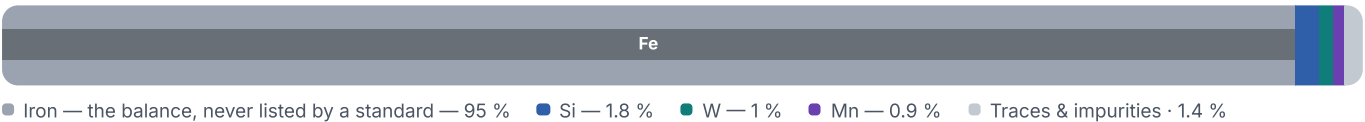
Chemical composition, mechanical and physical property values, and 3 standard designations from 1 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
3 in 1 regions	12 on file

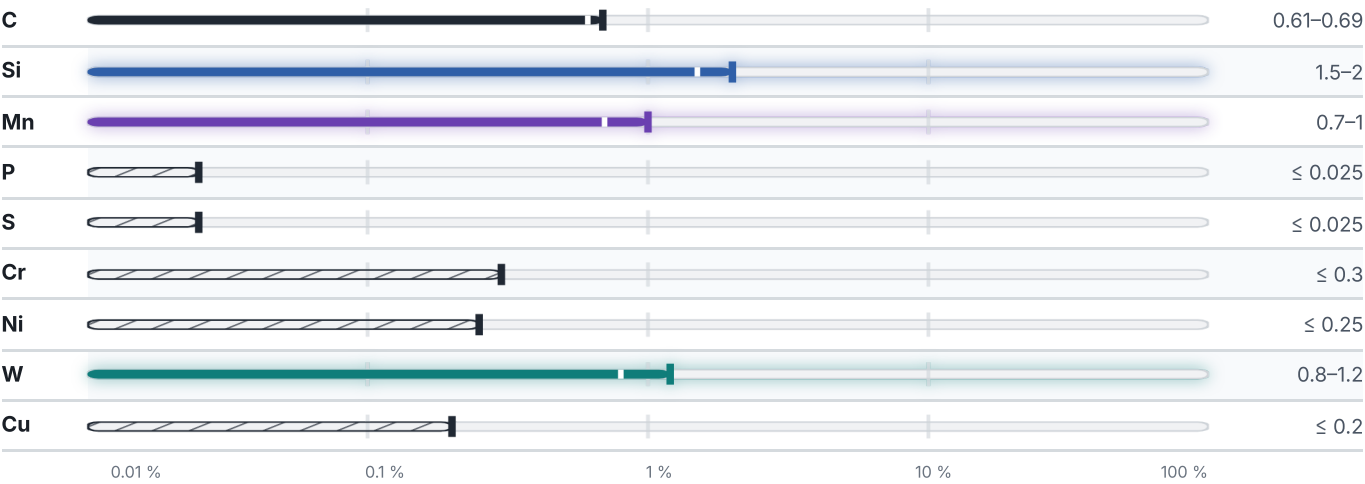
Chemical composition

Mass fraction in %

What this alloy is



Logarithmic scale, 0.01 % to 100 % — every value here compares directly, decade by decade.



The scale is logarithmic, not the element's raw share of the alloy — the only honest way to fit 0.01 % and 100 % in one picture, and it means every value here can be compared with every other.

Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: Mo.

Mechanical properties

9 values across 4 conditions

CONDITION · DIMENSION				HB	
65S2VA (65C2BA) (without heat treatment) , GOST 14959-79				321	
65S2VA (65C2BA) (heat treatment) , Rolled stock GOST 14959-79				285	
CONDITION · DIMENSION				RM N/mm ²	A5 %
0.1 - 4				880	8
CONDITION · DIMENSION				RM N/mm ²	
0.1 - 4				780–1180	
CONDITION · DIMENSION		RM N/mm ²	RE N/mm ²	A5 %	Z %
Steel, GOST 14959-79		1860	1665	5	20

Physical properties

3 values

CONDITION · DIMENSION	RHO g/cm ³	E GPa	ALPHA 10 ⁻⁶ /K	LAMBDA W/(m·K)	CP J/(kg·K)
20	7.85	211	–	27	–
100	–	206	11.5	27	475
200	–	200	12.5	28	500
300	–	195	13	29	510
400	–	185	13.5	29	530
500	–	178	13.8	29	555
600	–	154	14.3	29	580
700	–	136	14.5	28	615
800	–	131	13.5	28	690

Technological properties

PROPERTY	VALUE	UNIT
Weldability	is not used.	
Flake sensitivity	not predisposed	
Temper brittleness	not predisposed	

Designations across standards

3 designations · 1 documented as identical

Russia / CIS	3
65S2VA This grade's own name	gost
65C2BA	gost
65C2ГBA	gost

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 65C2ГBA

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	—	Aug 15, 2026