

MATERIAL NUMBER 1.8519 · CLASS 1.8

31CrMoV9

Material no. 1.8519

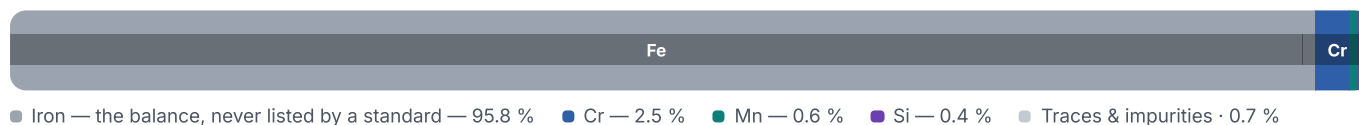
Chemical composition, mechanical and physical property values, and 8 standard designations from 6 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.73 g/cm ³	8 in 6 regions	9 on file

Chemical composition

Mass fraction in %

What this alloy is



Mechanical properties

9 values across 2 conditions

QUENCHED AND TEMPERED	RM N/mm ²	A %
16 – 40	1100–1300	9
40 – 100	1000–1200	10
100 – 160	900–1100	11
160 – 250	850–1050	12
SOFT ANNEALED		HB
Soft annealed		248

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.73	g/cm ³

Designations across standards

8 designations · 1 documented as identical

Russia / CIS	2	Czechia	1
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