

MATERIAL NUMBER 1.0718 · CLASS 1.0

12L13

Material no. 1.0718

also listed as 11 SMnPb 30

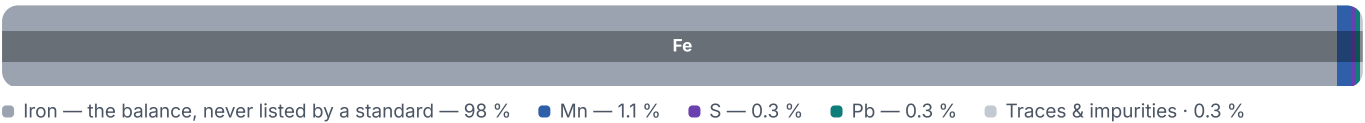
Chemical composition, mechanical and physical property values, and 21 standard designations from 11 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 21 in 11 regions	PROPERTY VALUES 7 on file
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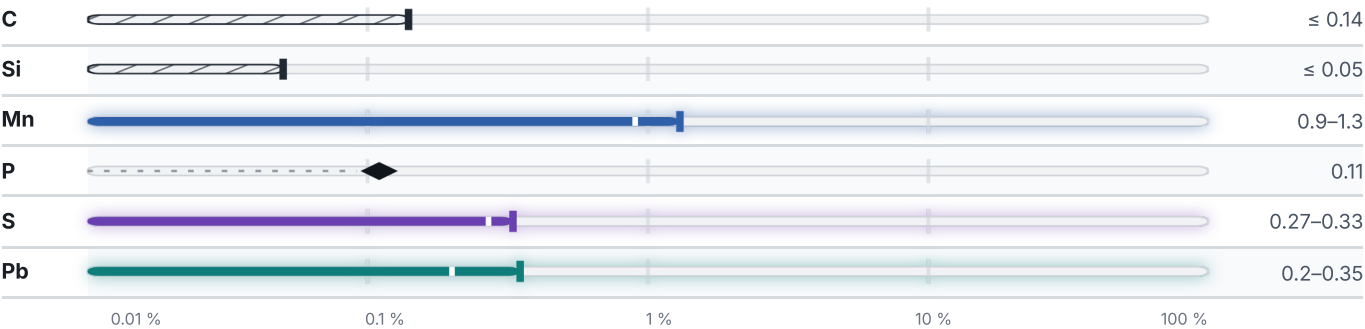
Chemical composition

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: Ni, Cr, Mo.

Mechanical properties

11 values across 2 conditions

COLD DRAWN / HARD	RM N/mm ²	A %
5 – 10	510–810	6
10 – 16	490–760	7
16 – 40	460–710	8
40 – 63	400–650	9
63 – 100	360–630	9
AS ROLLED AND TURNED		HB
As rolled and turned		107–169

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

21 designations · 9 documented as identical

United States4		South Korea2	
G12134	This grade's own nameuns	SUM22L	This grade's own nameks
G12144	This grade's own nameuns	SUM24L	This grade's own nameks
12L13	This grade's own nameaisi-sae	France1	
12L14	This grade's own nameaisi-sae	S250Pbafnor	
Europe3		International1	
1.0718	din-en	11MnPb28iso	
11 SMnPb 30	This grade's own namedin-en	China1	
9 SMnPb 28	This grade's own namedin-en	Y15Pbgb	
Spain3		Italy1	
11SMnPb28	une	CF9SMnPb28uni	
F.2112	une	Sweden1	
F.2112-11SMnPb28	une	1914ss	
Japan3		Poland1	
11SMnPb28	This grade's own namejis	A10Xpn	
SUM22L	jis		
SUM24L	jis		

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 12L13

Quotation, availability, mill certificate or a technical question — directly on the material page.

[Start an enquiry](#)

DATASHEET ONLINE

[View the material page](#)

GRADE SEARCH

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ISSUED

Aug 20, 2026