

ЭИ654Л

also listed as 15Kh18N12S4L

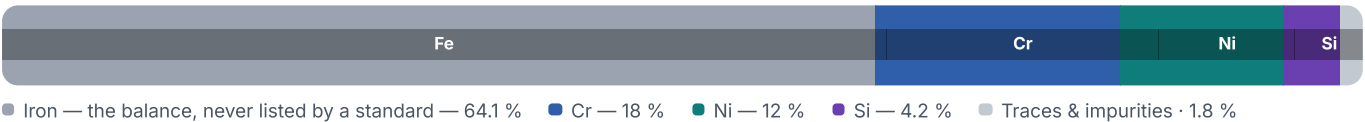
Chemical composition, mechanical and physical property values, and 6 standard designations from 1 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
6 in 1 regions	9 on file

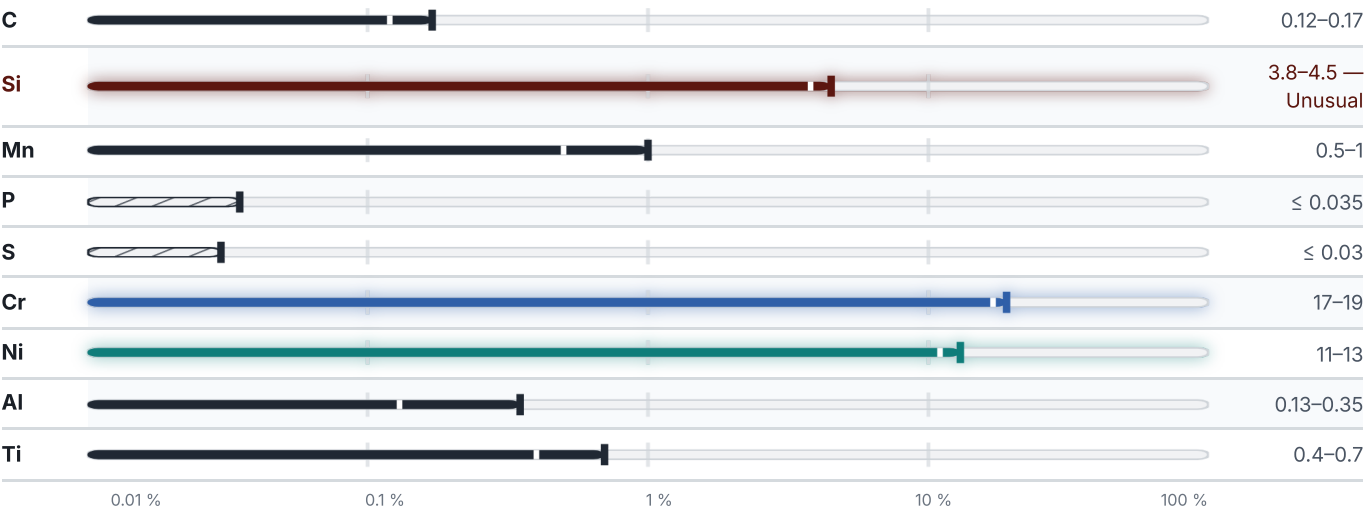
Chemical composition

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

20 values across 5 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %		
Sheet trick, GOST 7350-77	690–930	345	30		
Sheet thin, GOST 4986-79	690	–	13–25		
CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %		
Sheet thin cold-worked , GOST 5582-75	880	685	10		
Sheet thin cold-worked , GOST 4986-79	830–1080	–	5–10		
QUENCHING 950 - 1050°C,COOLING WATER	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
Ø 60	720	375	25	40	780
CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²			
to 600	715		382		
CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %		
Sheet thin, GOST 5582-75	720	345	30		

Designations across standards

6 designations · 1 documented as identical

Russia / CIS	6
15Kh18N12S4L	gost
15KH18N12S4TYU This grade's own name	gost
15Kh18N12S4TYuL	gost
15X18H12C4TЮ	gost
ЭИ654	gost
ЭИ654Л	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 ЭИ654Л

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

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GRADE SEARCH

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MATERIAL NO.

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ISSUED

Aug 15, 2026