

MATERIAL NUMBER 1.1223 · CLASS 1.1

C60M2

Material no. 1.1223

also listed as C60R

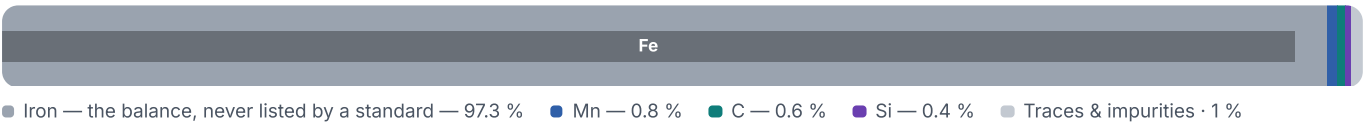
Chemical composition, mechanical and physical property values, and 6 standard designations from 4 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 6 in 4 regions	PROPERTY VALUES 9 on file
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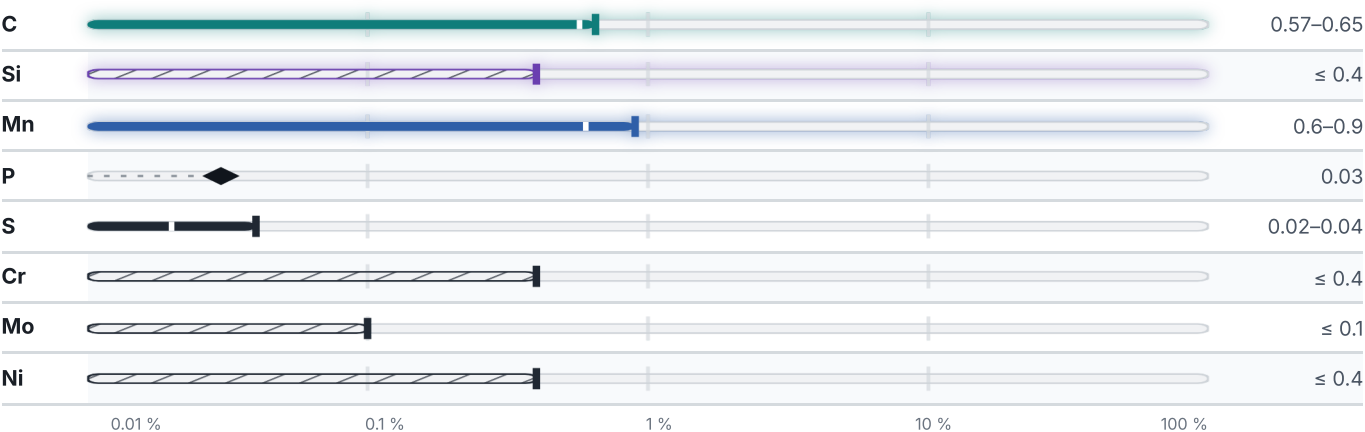
Chemical composition

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties		15 values across 5 conditions	
NORMALIZED		RM N/mm ²	A %
≤ 16		710	10
16 – 100		670	11
100 – 250		650	11
COLD DRAWN / HARD		RM N/mm ²	A %
5 – 10		800–1150	5
10 – 16		780–1130	5
16 – 40		730–1100	6
TREATED TO IMPROVE SHEARABILITY		HB	
Treated to improve shearability		255	
SOFT ANNEALED		HB	
Soft annealed		241	
AS ROLLED AND TURNED		HB	
As rolled and turned		198–278	
Physical properties		1 values	
PROPERTY		VALUE	UNIT
Density		7.85	g/cm ³
Designations across standards		6 designations · 4 documented as identical	
Europe2		International1	
C60R	This grade's own name	din-en	C60M2iso
Cm 60	This grade's own name	din-en	
United States2		Italy1	
G10600	This grade's own name	uns	C60uni
1060	This grade's own name	aisi-sae	
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 C60M2

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

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026