

MATERIAL NUMBER 1.0841 · CLASS 1.0

F.431

Material no. 1.0841

also listed as M 340-50 E

Chemical composition, mechanical and physical property values, and 9 standard designations from 7 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 9 in 7 regions	PROPERTY VALUES 1 on file
--	---	-------------------------------------

Chemical composition

Mass fraction in %

No chemical composition is on file for this material number.

Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: C, Mn, Si, Ni, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

9 designations · 1 documented as identical

Europe	3	United Kingdom	1
1.0841	din-en	150M19	bs
M 340-50 E	din-en	France	1
St52-3	din-en	20MC5	afnor
United States	1	Spain	1
5120	aisi-sae	F.431	une

Italy	1	Sweden	1
Fe52	uni	2172	ss

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 F.431

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	1.0841	Aug 20, 2026