

NICKEL-COPPER ALLOY MATERIAL REFERENCE

MONEL ALLOY 400

MATERIAL DATA SHEET

UNS N04400 / W.Nr. 2.4360

Source-preserved composition, ASTM product references and typical tensile properties

ALLOY 400**UNS N04400****CHEMICAL LIMITS****ASTM REFERENCES****MECHANICAL DATA****PRODUCT FORMS**

UNS N04400 / W.Nr. 2.4360

Technical data navigation

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REFERENCE NOTE

Source dimensional values and footnotes are retained. Confirm the applicable material, grade, schedule and project specification before ordering.

MATERIAL IDENTITY AND SOURCE VALUES

Composition and ASTM references

Values below reproduce the supplied Alloy 400 source sheet exactly; no limit has been corrected or inferred.

COMMON DESIGNATION	MATERIAL NUMBERS
Monel 400 / Alloy 400	UNS N04400 / 2.4360

Chemical composition, %

C	Mn	S	Si
0.30 max	2.00 max	0.24 max	0.50 max
Ni	Cu	Fe	
63.0 min	28.0-34.0	2.50 max	

ASTM product specifications stated in the source

Product form	ASTM specification
Seamless pipe	B165
Welded pipe	B725
Seamless tube	B163
Welded tube	Not stated
Sheet / plate	B127
Bar	B164
Forging	B564
Fitting	B366
Wire	Not stated

Source-control note: the supplied sheet prints sulfur as 0.24 max. This document retains that value without reinterpretation; confirm procurement limits against the governing product specification.

TYPICAL SOURCE VALUES

Mechanical properties and product forms

Typical room-temperature tensile properties of annealed material, reproduced from the supplied source.

Product form	Condition	Tensile, ksi	0.2% yield, ksi	Elongation, %	Hardness
Rod & bar	Annealed	75-90	25-50	60-35	60-80 HRB
Rod & bar	Cold-drawn / stress relieved	84-120	55-100	40-22	85-20 HRC
Plate	Annealed	70-85	28-50	50-35	60-76 HRB
Sheet	Annealed	70-85	30-45	45-35	65-80 HRB
Tube & pipe, seamless	Annealed	70-85	25-45	50-35	75 max* HRB

SOURCE NOTATION RETAINED

The source prints descending elongation ranges (for example 60-35), the cold-drawn hardness as 85-20 HRC, and 75 max* without an accompanying footnote. These entries are retained exactly and should be confirmed for procurement use.

Product forms represented in the source

- Seamless pipe
- Welded pipe
- Seamless tube
- Welded tube
- Sheet / plate
- Bar
- Forging
- Fitting
- Wire

Typical values are not procurement acceptance limits. Confirm the applicable ASTM edition, product form, delivery condition and project requirements before ordering.

Send your requirement

Send a drawing, product list, size, material grade, standard, schedule or wall thickness, testing and project document requirements.

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RESPONSE AND DOCUMENT COORDINATION

Initial enquiries are answered within 24 hours, including weekends, by email or WhatsApp. Drawing review, material/standard matching and project document requirements can be discussed and organized with the buyer.

Third-party inspection can be buyer-nominated or coordinated on request.

ADDRESS

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