

PRODUCT DATASHEET

ALLOY 400

Grade

Alloy 400, Tradename Monel 400, UNS N04400, 2.4360, 2.4361, ASTM B164, ASTM B564, BS 3076 NA13, QQ-N-281, NACE MRO175/ISO15156

Type

Copper-nickel alloy. Supplied in the annealed condition. Stress relieved option available. Can be supplied hot or cold worked depending on the application.

Property	Values
0.2% Yield Strength	25 KSI min (172 MPA min)
Ultimate Tensile Strength	70 KSI min (483 MPA min)
Elongation	35
Hardness	35 HRC max

Composition

Element	Weight%
Carbon	0.3 max
Silicon	0.5 max
Manganese	2 max
Sulphur	0.024 max
Nickel	63 min
Manganese	2 max
Copper	28 - 34

Grade Selection

High strength and toughness. Excellent corrosion resistance in a wide range of environments, including seawater. Resistant to chloride stress corrosion cracking. Good cryogenic performance.

Application

Used in chemical, marine, aerospace, nuclear and oil and gas industries

Product types: Heat exchangers, pumps and valves, reboiler tubes and control lines, electrical and electronic components