

2.4360

Description - Alloy 400 / 2.4360 is a nickel-copper alloy with excellent corrosion resistance.

Special properties - Corrosion resistance in a wide range of marine and chemical environments. No chloride induced stress-corrosion cracking.

Suitable welding filler materials - 2.4366.

Application - Salt production, offshore, chemical industry.

Chemical Composition in %

C	Si	Mn	Ti	Ni	Al	Cu	Fe
≤0.15	≤0.5	≤2.0	≤0.3	≥63.0	≤0.5	28.0-34.0	1.0-2.5

Standards

Material No.	2.4360
EN Designation	(S-)NiCu30Fe
UNS	N04400
Alloy	400

Mechanical Properties 20 °C

0,2% Yield strength Rp, N/mm²	≥175
Tensile strength Rm, N/mm²	≥450
Elongation A5, %	≥30
Modulus of elasticity, kN/mm²	182

Physical Properties 20 °C

Density, g/cm³	8.8
Specific heat capacity, J/kg K	430
Thermal conductivity, W/m K	26
Electrical resistivity, Ω mm²/m	0.513