

Brand name | Nicorros® AL, MONEL® Alloy K-500

Trade name | Alloy K-500

Material No.	EN Designation	UNS	Alloy
2.4375	NiCu30Al	N05500	K-500

Description | Alloy K-500 / 2.4375 is a nickel-copper alloy with age-hardening properties in addition with aluminum and titanium.

Special properties | Excellent corrosion resistance in an extensive range of natural and chemical environments. Excellent resistance to chloride-ion stress-corrosion cracking. High tensile properties up to 650°C






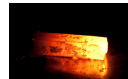

C %	Si ≤ %	Mn ≤ %	S ≤ %	Ni %
≤ 0.20	0.50	1.50	0.015	≥ 63.0
Ti ≤ %	Cu %	Al %	Fe %	
0.30-1.00	27.0-34.0	2.20-3.50	0.50-2.00	

0.2% Yield strength $R_p \geq$ N/mm ²	Tensile strength R_m N/mm ²	Elongation $A_5 \geq$ %	Modulus of elasticity kN/mm ²
690	≥ 965	20	179

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
8.5	420	17.4	0.61

Suitable welding filler materials | 2.4366

Application | Oil and gas production

Sheets/Plates	Bars	Wire	Tubes/Pipes	Fittings	Forged / cast parts	Finished part (drawing)
						

Available forms for 2.4375 / ALLOY K-500