

Brand name | NIMONIC® Alloy 75

Trade name | Alloy 75

Material No.	EN Designation	UNS	Alloy
2.4630	NiCr20Ti	N06075	75

Description | Alloy 75 / 2.4630 is a nickel-chromium-iron alloy with titanium.

Special properties | Excellent resistance to oxidizing atmospheres at temperatures up to 1100°C. Good mechanical properties at temperatures up to 1000°C.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
0.08-0.15	1.00	1.00	0.03	0.02
Cr %	Ni %	Ti ≤ %	Cu %	Co %
18.0-21.0	Rest	0.20-0.60	≤ 0.50	≤ 5.00
Fe %	Pb %			
≤ 5.00	0.005			

0.2% Yield strength R_p ≥ N/mm ²	Tensile strength R_m N/mm ²	Elongation A_5 ≥ %	Resistant on air up to °C	Modulus of elasticity kN/mm ²
235	≥ 640	26	1200	221

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
8.4	445	12.1	1.09

Suitable welding filler materials | 2.4648

Application | Gas turbines, heat treatment furnaces

Available forms for 2.4630 / ALLOY 75

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