

Brand name | Inconel 600, Nicrofer 7216H

Trade name | Alloy 600

Material No.	EN Designation	UNS	Alloy
2.4816	NiCr15Fe	N06600	600

Description | Alloy 600 / 2.4816 is a nickel-chromium-iron alloy.

Special properties | Good resistance to oxidation, carburization and nitriding. Good resistance to stress corrosion cracking. Good resistance to dry chlorine and hydrogen chloride.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
0.05-0.10	0.50	1.00	0.02	0.015
Cr %	Ni %	Ti ≤ %	Cu %	Al %
14.0-17.0	≤ 72.0	≤ 0.30	≤ 0.50	≤ 0.30
Co %	B %	Fe %		
≤ 1.50	≤ 0.006	6.00-10.0		

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
175	490-640	35	1150	214

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
8.5	460	14.8	0.98

Suitable welding filler materials | 2.4648; 2.4620

Application | Industrial furnace, chemical industry, reactor construction

Available forms for 2.4816 / ALLOY 600	Sheets/Plates	Bars	Wire	Tubes/Pipes	Fittings	Forged / cast parts	Finished part (drawing)
							