

Brand name | Nicrofer 6616 hMo

Trade name | Alloy C-4

Material No.	EN Designation	UNS	Alloy
2.4610	NiMo16Cr16Ti	N06455	C-4

Description | Alloy C-4 / 2.4610 is an austenitic low-carbon nickel-molybdenum-chromium alloy.

Special properties | Very good resistance to a wide range of corrosive media, particularly under reducing conditions. Excellent resistance to localized corrosion in halide media.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
0.015	0.08	1.00	0.025	0.015
Cr %	Mo %	Ni %	Ti ≤ %	Cu %
14.0-18.0	14.0-17.0	Rest	0.70	≤ 0.50
Co %	Fe %			
≤ 2.00	≤ 3.00			

0.2% Yield strength R_p ≥ N/mm ²	Tensile strength R_m N/mm ²	Elongation A_5 ≥ %	Modulus of elasticity kN/mm ²
305	≥ 700	40	211

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
8.6	408	10.1	1.24

Suitable welding filler materials | 2.4612

Application | Inorganic chemicals, fertilizer and pesticide production

Available forms for 2.4610 / ALLOY C-4

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