

Brand name | INCONEL® Alloy X-750, Nicrofer® 7016TiNb

Trade name | Alloy X-750

Material No.	EN Designation	UNS	Alloy
2.4669	NiCr15Fe7TiAl	N07750	X-750

Description | Alloy X-750 / 2.4669 is a nickel-chromium-iron alloy.

Special properties | High corrosion resistance equal to alloy 600. Creep strength up to 800°C.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
≤ 0.08	0.50	1.00	0.02	0.015
Cr %	Ni %	Ti ≤ %	Cu %	Al %
14.0-17.0	≤ 70.0	2.25-2.75	≤ 0.50	0.40-1.00
Co %	Fe %	Nb %		
≤ 1.00	5.00-9.00	0.70-1.20		

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
630	≥ 980	8	214

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
8.2	430	12	1.21

Suitable welding filler materials | 2.4648

Application | Components for gas turbines

Available forms for 2.4669 / ALLOY X-750

