



2.4669

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.

Suitable welding filler materials - 2.4648.

Application - Components for gas turbines.

Chemical Composition in %

C	Si	Mn	Cr	Ni	Ti	Fe	Nb	Al	Co
≤0.08	≤0.5	≤1.00	14.0-17.0	≤70.0	2.25-2.75	5.0-9.0	0.7-1.2	0.4-1.0	≤1.0

Standards

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

Mechanical Properties 20 °C

0,2% Yield strength Rp, N/mm ²	≥630
Tensile strength Rm, N/mm ²	≥980
Elongation A5, %	≥8
Modulus of elasticity, kN/mm ²	214

Physical Properties 20 °C

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