

TECHNICAL DATA

Specification

Material No.: 2.4668

Nikel alloy 718 is a high-strength, corrosion-resistant nickel chromium material used at -423° to 1300°F. Field of Applications

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The age-hardenable alloy can be readily fabricated, even into complex parts. Its welding characteristics, especially its resistance to post-weld cracking, are outstanding. The ease and economy with which DSI Inconel 718 can be fabricated, combined with good tensile, fatigue, creep, and rupture strength, have resulted in its use in a wide range of applications.

Mechanical Properties

Hardness untreated	40
Tensile Strength Rm (N/mm ²)	880-910
proof strength Rp 0.2 (N/mm ²)	450-550

Composition in %			
C <0.10	Al 0.20-0.80	Cr 17.00-21.00	Mo 2.80-3.30
Ti 0.65-1.15	Ni+Co 50.00-55.00	Ni Rest	

Available Sizes:

MA125 Spools/ Rod 500 mm: Ø mm 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8

Rods (500 mm): Ø mm 1.0 / 1.2



EN 10204/3.1 2005 Quality Certified



e-version

Ni Alloy

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