

Westgate

718

(UNS N07718) W. Nr. 2.4668

Chemical composition	Ni+Co	Cr	Fe	Nb+Ta	Mo	Ti	Al	Co	C
% Present (Max)	50.0 -55.0	17.0- 21.0	Bal	4.75- 5.50	2.80- 3.30	0.65- 1.15	0.20- 0.80	1.00	0.08
Chemical composition	Mn	Si	P	Su	B	Cu			
% Present (Max)	0.35	0.35	0.01 5	0.01 5	0.00 6	0.30			

Alloy 718 is a high-strength, corrosion-resistant nickel chromium material used at -423° to 1300°F. Typical composition limits are shown in Table 1. The age-hardenable alloy can be readily fabricated, even into complex parts. Its welding characteristics, especially its resistance to postweld cracking, are outstanding. The ease and economy with which alloy 718 can be fabricated, combined with good tensile, fatigue, creep, and rupture strength, have resulted in its use in a wide range of applications. Examples of these are components for liquid fueled rockets, rings, casings and various formed sheet metal parts for aircraft and land-based gas turbine engines, and cryogenic tankage. It is also used for fasteners and instrumentation parts.

Note: Values are in accordance with EN 10088 specifications. Actual mill certs available upon request.



sales@westgatestainless.com



01922 745664