



INCONEL 601 Plate, Sheet, Pipe, Bar

INCONEL 601 one of the important properties of the alloy is the ability to have antioxidant properties at temperatures as high as 1180. Even in very harsh conditions, such as heating and cooling cycles, 601 can produce a layer of dense oxide film and get a high level of resistance. 601 has a good resistance to carbonation. Due to the high chromium and aluminum content, 601 in the high temperature sulfur atmosphere has a good antioxidant.

INCONEL 601 Chemical Requirements:

Grade	chemical composition(%)				
	C	Si	Cr	Ni	Fe
INCONEL 601	<=0.1	<=0.5	21-25	58-63	allowance
	Mn	Cu	Al	P	S
	<=1.5	<=1	1.0-1.7	<=0.02	<=0.015

INCONEL 601 mechanical property Requirements:

Grade	mechanical property		
	yield strength(MPa)	tensile strength(Mpa)	Elongation rate(%)
INCONEL 601	300	650	30

Properties of INCONEL601 alloys:

1. Excellent oxidation resistance at high temperature
2. Very good resistance to carbonation
3. Can be a very good antioxidant sulfur atmosphere
4. Have good mechanical properties at room temperature and high temperature.
5. Good resistance to stress corrosion cracking performance due to the control of the carbon content and grain size, INCONEL 601 has a high creep rupture strength, so in the field of 500 degrees Celsius above recommended the use of INCONEL 601 .

We can offer INCONEL 601 steel products according to your drawing with high precision, strictly inspection and excellent performance, complete specifications, widely used in the harsh corrosive environment, showing effective resistance . Katalor also can provide very good after sale service. Our company has established long-term partnership with many clients from many countries and has gained a good reputation in the international market. We sincerely hope to be your reliable supplier of INCONEL601.