

Data Sheet — Inconel601

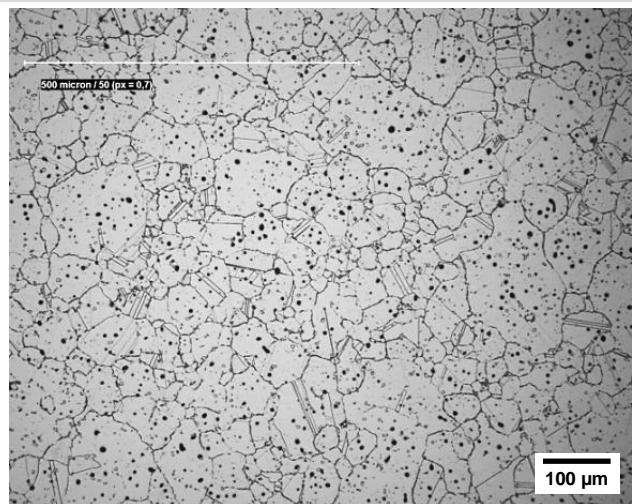
for technical applications

Comparable Standards	DIN 2.4851	UNS N06601	EN 10095
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Composition	Fe	Ni	C	Cr	Al	Mn	Cu	Si	S	Ti	others
min (wt.%)	-	58.0	-	21.0	1.0	-	-	-	-	-	-
max (wt.%)	Bal.	63.0	0.1	25.0	1.7	1.0	1.0	0.5	0.015	0.5	1.0

Typical Properties	Density	Hardness	R _m	R _{p0.2}	A ₁₀
	g/cm ³	HV10	MPa	MPa	%
as sintered	≥ 7.6	≥ 135	≥ 620	≥ 210	≥ 30

Microstructure as sintered



Characteristics Aluminium-containing nickel-based alloy for high temperature applications with excellent oxidation resistance and other forms of high temperature corrosion as well as very good scaling resistance combined with high thermal stability

Typical Applications Components for heat treatment plants, gas jets, gas turbines, diesel motors, catalyst components in exhaust systems for gasoline engines, ignition systems for gasoline and gas engines etc.

These data presented here are based on our current knowledge and experience, but no liability can be assumed.