

Data Sheet — Inconel600

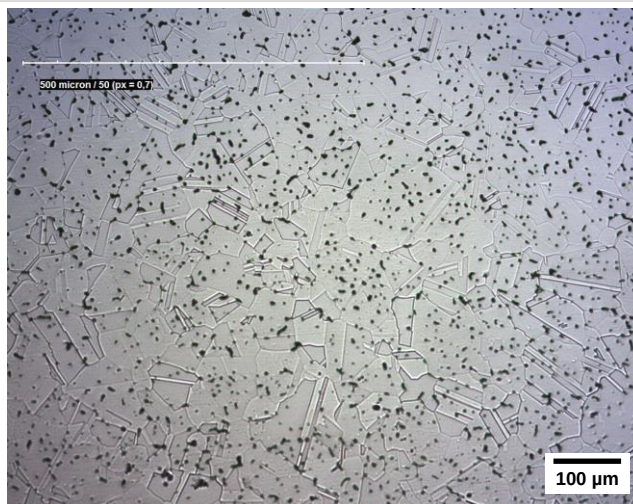
for technical applications

Comparable Standards	DIN 2.4816	UNS N06600	NiCr15Fe
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Composition	Ni	Fe	C	Cr	Mn	Cu	Si	S	P	sonstige
min (wt.%)	-	6.0	-	14.0	-	-	-	-	-	-
max (wt.%)	Bal.	10.0	0.15	17.0	1.0	0.5	0.5	0.015	0.015	1.0

Typical Properties	Density	Hardness	R _m	R _{p0.2}	A ₁₀
	g/cm ³	HV10	MPa	MPa	%
as sintered	≥ 7.85	≥ 90	≥ 520	≥ 160	≥ 38

Microstructure	as sintered
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Characteristics	Good resistivity in corrosive gas atmospheres. Resistant to stress corrosion cracking at room and elevated temperature. High resistivity to chlorine and hydrogen chloride. Well mechanic properties at low and elevated temperatures.
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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.
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These data presented here are based on our current knowledge and experience, but no liability can be assumed.