

# Data Sheet — Nitronic50

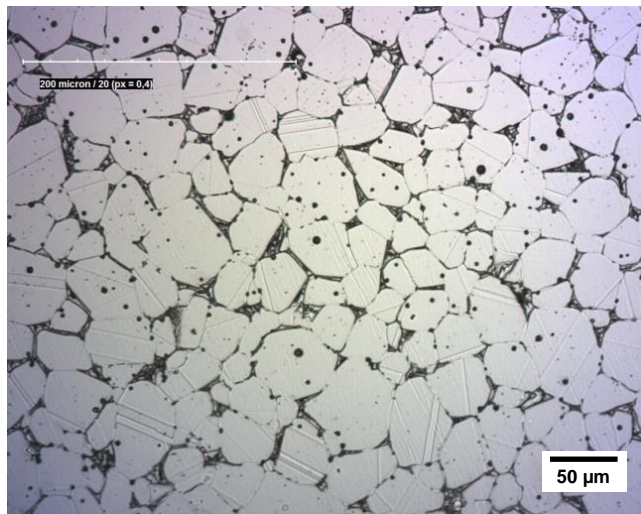
for technical applications

Comparable Standards	ASTM XM - 19	UNS S20910	
	-	-	

Composition	Fe	C	Cr	Ni	Mn	Mo	V	Si	N	Nb	others
min (wt.%)	-	-	20.5	11.5	4.0	1.5	0.1	-	0.2	-	-
max (wt.%)	Bal.	0.06	23.5	13.5	6.0	3.0	0.3	1.0	0.4	0.3	1.0

Typical Properties	Density	Hardness	R <sub>m</sub>	R <sub>p0.2</sub>	A <sub>10</sub>
	g/cm <sup>3</sup>	HV10	MPa	MPa	%
as sintered	≥ 7.8	≥ 180	≥ 570	≥ 340	≥ 16

**Microstructure** as sintered



**Characteristics** Austenitic non-magnetic stainless steel

**Typical Applications** components with enhanced demand on corrosion resistance and strength: mechanical engineering, marine, nuclear power, chemical and oil & gas industries, watchmaking industry

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