

QuMed4551

EN ISO 14343-A W 19 9 Nb Si / G 19 9 Nb Si AWS A5.9 ER347Si; M.- No.: 1.4551

The welding is suitable for corrosion resistant joint and build-up weldings of similar, non-rusting and heat-resistant steels as well as austenitic CrNi-steels or rather kind of cast steels.

Non-rusting. IK-constant (Wetcorrosion up to 400°C).

The machined materials are used as components and tools in the medical technology, food, oil, soap, synthetic rubber, film and photo industry.

Recommended for

1.4301, 1.4306, 1.4541, 1.4310, 1.4550, 1.4552, 1.4319, 1.4303

Material analysis in %

C	Si	Mn	Cr	Ni	Nb
≤0,06	0,90	1,3	20,0	9,5	12xC

(test certificates upon request.)

Standard/Mechanical Values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	390
Tensile strength Rm	MPa	590
Elongation A (Lo = 5do)	%	30
Hardness untreated	HB	

Following standard:

Laser welding wires

rods: 333 mm / 1.000 mm

spool: K80 / K125 / K250 / SH253 / MA125

The reported values were determined by the manufacturer and / or by a neutral Laboratory.
We cannot guarantee for the accuracy.