

QuFe55

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

The material is suitable for corrosion resistant joining and building-up welds on same or similar stainless heat-resistant steels as well as austenite CrNi steels / cast steels. Stainless. IK resistant (wet corrosion up to 400°C)

The worked-on material is used for parts or equipment in the medical branch, the food industry, the oil, soap, synthetic fibres, film and photo industry.

Recommendation for:

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

Material analysis

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 special lengths upon request

Spools: 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.