

QuFe54

EN ISO 14343-A: G 19 9 L Si / W 19 9 L Si AWS/SFA-5.9: ER 308LSi ; M.- No.: 1.4316

The material is suitable for producing corrosion-resistant joints and building-up repairs to the same low-carbon and stabilized 18/8-CrNi(N)-steels/cast steels as well as the same or similar low-temperature austenite CrNi steels/cast steels.

The material is tough up to -196°C. Stainless.

IK resistant. (Wet corrosion up to 350°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, 1.4550, 1.4319, 1.4541, 1.4311, 1.4551, 1.4552

Material analysis

C	Si	Mn	Cr	Ni
0,02	0,85	1,75	19,0	9,5

(Test certificates upon request)

Standard mechanical values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	315
Tensile strength Rm	MPa	540
Elongation A (Lo = 5do)	%	35
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.