

QuMed4316

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 welding material is used for non-corroding joint and build-up weldings of similar low-carbon and stabilized 18/8-CrNi(N)-steels / cast steels as well as on low-temperated similar austenitic CrNi-steels / cast steels.

Tough at sub-zero temperature up to -196°C.

Nonrusting. IK-resistant (Intergranular corrosion resistant). (Wetcorrosin up to 350°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, 1.4550, 1.4319, 1.4541, 1.4311, 1.4551, 1.4552

Material analysis in %

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	N/mm ²	315
Tensile strength Rm	N/mm ²	540
Elongation A (Lo = 5do)	%	35
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 determined. For the accuracy we cannot guarantee.