

## QuMed4576

EN ISO 14343-A: G/W 19 12 3 Nb Si; ASTM/AWS/SFA-5.9: ER 318 Si; M.-No.: 1.4576

Is used for joining and build-up welds on stabilized, similar chemically resistant CrNiMo steels in chemical apparatus and vessels with working temperatures of -120°C to +400°C. Austenite with iron component.

### Recommended basis material

1.4401, 1.4404, 1.4435, 1.4436, 1.4571, 1.4573, 1.4580, 1.4581, 1.4583

### Reworking

Typical for the material type

### Material analysis in %

C	Si	Mn	Cr	Ni	Mo	Nb	Fe
0,03	0,4	1,5	19,0	12,0	3,0	0,55	Rest

(test certificates upon request)

### Standard mechanical values

Inert gas	Argon	Value of the pure weld
Temperature	20°C	
Yield point Re	MPa	450
Tensile strength Rm	MPa	640
Elongation A (Lo = 5do)	%	30
Untreated hardness	HB	

### Following standard:

#### Laser welding wires

Rod: 333 mm / 1.000 mm special lengths upon request

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.