

QuFe50

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 joint and build-up welding on stabilized, similar type chemical resistant CrNiMo-steels, found in chemical vessels and apparatus constructions for uses at temperatures between -196°C and +400°C

Recommendation for

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

Rework

Material-typical treatment

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	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	450
Tensile strength Rm	MPa	640
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.