

QuFe19

DIN EN ISO 21952-A: G/W CrMoWV12Si, AWS A5.9: -ER505; M.-No. 1.4937

is preferred for changes and repairs on highly heat resisting, heat treatable 12% Cr-steels (similar and related). For operating temperatures up to 650°C.

Recommended for basic materials

1.4922, 1.4935, 1.4923, 1.4926, 1.4913, 1.4931

Rework

The weld can be structured, polished, chrome-plated, nitrated, heat treated, and hardened.

Material analysis in %

C	Si	Cr	Mn	Mo	V	W
0,21	0,4	11,1	0,6	0,90	0,3	0,45

(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	590
Tensile strength Rm	N/mm ²	700
Elongation A (Lo = 5do)	%	15
Hardness untreated	HRC	45 - 48

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.