

QuFe50

(W.-Nr. 1.4576)

is used for repairing and joining stabilised, similar type chemical resistant CrNiMo steels, found in chemical vessel and apparatus constructions for uses at temperatures between -196 °C and +400°C

Recommended for:

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	12	3	0,55	Rest

(test certificates upon request.)

Standard/Mechanical Values

Ø	N / mm ²	elongation AL100	Items on stock rods	Items on stock spools
0,2	1908	2,1	X	-
0,3	-	-	X	-
0,4	1680	3,2	X	-
0,5	1606	3,3	X	-
0,6	-	-	X	-
0,7	-	-	-	-
0,8	-	-	-	-

Hardness after welding

Ø	HRC	base material
1. layer		
2. layer		
3. layer		

(results on request)

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 can not guarantee)