Data sheet

QuNi62

(W.-No. 2.4856) Inconel625

The NiCrCoMo-alloyed welding wire is used for joint welding of heat-resistant and highly heat resisting Ni-base alloy, gamma iron and cast material.

A nickel-chrome-molybdenum-alloy with niobium addition which stabilizes the matrix in connection with the molybdenum and thereby it guaranties a high tensile strength without hardened heat treating. The alloy is resistant against a number of heavy corrosive media and especially against pitting and crevice corrosion. It's used in chemical process engineering, for space flight and naval architecture, for ecology constructions and nuclear reactors.

Recommended for:

Alloy 625, W.-No. 2.4856

Rework

Material-typical treatment

Material analysis in %

C	Si	Mn	Mo	Fe	Nb	S	P	Al	Ti	Co	Cr	Ni
0,10	0,50	0,50	9,0	5,0	3,6	0,015	0,015	0,40	0,40	1,0	22,0	58,0

(test certificates upon request.)

Standard/Mechanical Values

Ø	N / mm²	Elongation AL100	Items on stock rods	spools
0,3	-	-	X	-
0,4	-	-	-	-
0,5	-	-	X	X
0,6	-	-	X	-
0,7	-	-	-	-
0,8	-	-	-	-

(standard values)

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 cannot guarantee)