

QuTi2

EN ISO 24034: S Ti 0120 (Ti99,6); AWS/ASME SFA-5.16 ERTi2; M.- No.: 3.7035

QuTi2 is used for joint and build-up welding of pure titan. Titan is characterized by excellent corrosion and erosion features. A high strength at a low density gives the basic material a narrow range of application. This material is weldable and it could be machined and formed.

Recommendation for

Titan

Material analysis in %

C	N	Fe	O	H	Ti
0,08	0,05	0,025	0,18	0,013	Rest

(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	295
Tensile strength Rm	N/mm ²	500
Elongation A (Lo = 5do)	%	20
Hardness untreated	HB	180

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.