



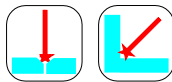
Titanium grade 1

AWS 5.16: ERTi-1

DESCRIPTION

Grade 1 is the softest titanium and has the highest ductility. It has excellent corrosion and oxidation resistance. It also has excellent welding properties and high impact toughness. Used in chemical industry, naval and aeronautic applications.

WELDING POSITIONS



CURRENT

DC-

SHIELDING GAS

Argon(I1)/ Ar/He(I3)

APPLICATIONS

Aeronautic, ship building, chemical industri, heat exchangers

MECHANICAL PROPERTIES

Rm (Mpa)

>345

Rp 0,2 (Mpa)

>300

A5(%)

>20

CHEMICAL COMPOSITION(%)

Ti	C	N	H	Fe	O
Rest	0,03	0,012	0,008	0,12	0,03-0,10

PACKAGING

Dimension	1,2x1000	1,6x1000	2,0x1000	2,4x1000
Kg/hylsa	2,5	2,5	2,5	2,5
Item code	9M7312R001	8M7316R001	9M7320R001	8M7324R001

EQUIVALENT FILLER METAL

MIG	Titan grade 1 Mig
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