



Elgatic 162

GTAW - TIG
Low-alloyed

Date: 11/16/2014
Revision: 9

Description:

Elgatic 162 is a low alloy TIG rod depositing a nominal 0.9% Ni weld metal. It has a guaranteed Ni content of 1% maximum ensuring conformance to NACE requirements for oil and gas production equipment in sour service. Elgatic 162 has very good fracture toughness at temperatures down to -60°C and is designed for offshore pipework and similar high integrity applications.

Welding current:

DC-

Wire composition, wt.%

	C	Si	Mn	P	S	Cr	Ni
Min	0,06	0,50	1,00				0,80
Typical	0,09	0,60	1,10	0,01	0,01		0,90
Max	0,12	0,80	1,25	0,02	0,02	0,15	0,99

	Mo	Cu	V	Al	Ti
Min					
Typical					
Max	0,15	0,35	0,03	0,02	0,15

Shielding gas:

I1, Argon, 7-10 l/min

Stamping

F ER80S-Ni1

Chemical composition, wt.%

Mechanical properties

	<u>Specified</u>	<u>Typical</u>
Yield strength, Re:	≥470 MPa	490 MPa
Tensile Strength, Rm:	≥550 MPa	600 MPa
Elongation, A5	≥24%	28%
Impact energy, CV:	-46°C • >27 J	-46°C • 90 J
	-60°C • >47 J	-60°C • 80 J

Classification:

EN ISO 636-A W 46 6 W3Ni1
AWS A5.28 ER80S-Ni1

Approvals:

MRS 5Y42M
CE

Product data:

Ø x Length mm	Packet weight	Product code
1,6 x 1000	5 kg	97351016
2,0 x 1000	5 kg	97351020
2,4 x 1000	5 kg	97351024
2,0 x 500	4 x 1 kg	97351520
2,4 x 500	4 x 1 kg	97351524

Note

All 500 mm rods are colour coded