



Elgasaw 102Ni1

SAW-Submerged arc welding
Un-alloyed

Date: 1998-11-09
Revision: 6

	C	Si	Mn	P	S	Ni
Min	0,07	0,05	0,80			0,80
Typical	0,1	0,1	1,0	0,010	0,010	0,9
Max	0,12	0,15	1,20	0,015	0,015	1,00

Chemical composition, wt.%

	C	Si	Mn	P	S	Ni
Min						
Typical	0,06	0,4	1,3	0,02	0,02	0,9
Max						

Mechanical properties

	<u>Specified</u>	<u>Typical</u>	<u>PWHT Typical</u>
Yield strength, Re:	≥ 420 MPa	460 MPa	440 MPa
Tensile Strength, Rm:	≥ 500 MPa	550 MPa	520 MPa
Elongation, A5	≥ 22%	27%	27%
Impact energy, CV:	-62°C•27 J -50°C•>47 J	-50°C•60 J -62°C•40 J	-50°C•75 J -62°C•50 J

Product data

Product code	Diam.mm	Current A	Voltage V
9547-5024	2,4		
9547-5030	3,0		

Classification:

EN 756 S2Ni1
AWS A5.23 ENi1

Approvals:

Note

PWHT: SR at 620°C, 1h