

SMT-08

Classification

AWS	A5.14/ ASME SFA-5.14 ERNiMo-8
JIS	Z 3334 SNi1008(NiMo19WCr)
EN	ISO 18274 - S Ni 1008

Features

- For the automatic welding processes for a LNG storage tank with a method of GTAW for vertical joints of side plates
(ASTM A333,A334,A353,A553)
- Impact toughness at extra low temperature

Current

DC -

Application Areas

- Ni-based alloys and high temperature alloys

Shielding Gas

100% Ar

Approvals

ABS	BV	DNV	LR	NK	RS
✓	✓	✓	✓	✓	✓

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Mg	N
0.02	0.18	0.1	0.007	0.001	0.01	68.9	2.3	19.2	5.7	3.2

Typical Mechanical Properties of All-Weld Metal

Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
550 (80)	750 (109)	45	-196 (-320)	135 (100)

Wire Diameter & Packaging

Wire Diameter mm(in)	Packaging
1.6 (1/16)	5kg(11lbs)*1000
2.0 (5/64)	
2.4 (3/32)	
2.6 (0.10)	
3.2 (1/8)	

SMW

GMAW

GTAW

FCAW

Metal-cored Wire

SAW Wire

SAW Flux