

UP NI 276

Ni-Alloy SAW Wire



Classification

AWS A5.14 ER NiCrMo4

EN ISO 18274: S Ni 6276 (NiCr15Mo16Fe6W4)

Characteristics

SAW wire Rod for the fabrication of Chemical apparatus and for low temperature application down to -196°C The weld metal is austenite and corrosion resistant to reducing and oxidising Substance. Excellent resistance in oxide, chloride, acid and saline environments. The energy absorbed per unit length of weld 1.0-2.0 kJ/mm should not be exceeded. As welding flux we recommend our type UP NiO3.

Application

Extremely crack resistant weld metal used for the construction of Storage tank such as ethylene, LNG, CNG

Materials : Alloy C276, 2.4819 NiMo16Cr15W, UNS N10276

Wire analysis % (Typical)

C	Mn	Si	P	S	Cr	V	Ni	W	Fe	Mo
0,011	0,60	0,04	0,010	0,009	15,50	0,20	Bal	3,6	5,5	16,5

Mechanical properties of the pure weld metal (Typical)

Heat-treatment/Flux combination	R _{p0.2} MPa	R _m MPa	A5 %	Charpy V Notch [J] (ft.lb)	
				Temp (°C)	Lateral Expansion
AW Flux UP NiO3	461	735	43	-40	95
				-196	78

AW: as welded

Diameters: \varnothing 2.0 – 2.40mm

current/polarity

