

S-300EM X Flux for ESW

Conformances

EN ISO 14174-S A AF 2

Current

DC +

Applications

- Heat exchanger, pressure vessels

Basicity Index

Features

- Good resistance to crack and corrosion
- Easy to remove slag
- Good bead appearance
- Density : 1.2g/cm³

Packages (Flux)

Tin Can 20kg(44lbs)

Flux Composition

Consumable	Chemical Composition, wt%		
	SiO ₂ + TiO ₂	Al ₂ O ₃ + MnO	CaF ₂
S-300EM	5	30	60

Typical Chemical Composition of Strip Band(%)

Wire	C	Mn	Si	S	P	Cr	Ni	Mo	Nb	N
YSB-308L	0.01	1.7	0.3	0.001	0.015	20.3	10.4			0.044
YSB-309L	0.01	1.6	0.4	0.002	0.01	24.2	13.4	0.1		0.054
YSB-347	0.02	1.1	0.4	0.001	0.018	19.7	10.5	0.1	0.5	0.043
YSB-316L	0.01	1.8	0.4	0.001	0.016	18.1	12.6	2.9		0.047
YSB-309LMo	0.01	2	0.3	0.001	0.018	20.3	13.8	2.7		0.081
YSB-309LNb	0.02	2	0.3	0.011	0.018	21.2	12.0	0.1	0.6	0.049

Typical Chemical Composition of All-Weld Metal(%)

Wire	C	Mn	Si	Cr	Ni	Mo	Nb	N	F.N
YSB-308L	0.02	1.45	0.55	19.3	10.9			0.054	8
YSB-309L	0.03	1.45	0.7	19.5	11			0.045	6
YSB-347	0.03	0.95	0.9	19.5	10.5			0.038	6
YSB-316L	0.03	1.5	0.63	18.5	12.5	2.5		0.045	7
YSB-309LMo	0.03	1.52	0.49	18.2	13.1	2.36	0.04	0.061	5
YSB-309LNb	0.03	1.36	0.37	18.9	10.4	0.05	0.48	0.024	5