S-300B

Flux Properties

Class. JIS Z 3352 SA AF2
EN ISO 14174-S A AF 2
Current AC, DC +
Density 1.2g/cm^3
BI 1.7
Grain Size 12 x 48 Mesh

Features

- Outstanding weldability, good slag removal
- 300 type stainless steel

Wire Approvals

Wire	EN ISO 14174 / 14171
YS-308L	S A AF 2 / S 19 9 L
YS-316L	S A AF 2 / S 19 12 3 L
YS-347	S A AF 2 / S 19 9 Nb

Typical Chemical Composition of All-Weld Metal (wt%)

Wire	C	Si	Mn	P	S	Ni	Cr	Mo	Nb
YS-308L	0.03	0.7	1.9	0.020	0.010	9.8	19.2	-	-
YS-316L	0.02	0.6	1.6	0.020	0.010	11.6	18.3	2.6	-
YS-347	0.06	0.6	1.3	0.020	0.010	8.6	18.7	-	0.7

Typical Mechanical Properties of All-Weld Metal

Wire	Condition	YS MPa(ksi)	TS MPa(ksi)	EL (%)	Temp °C (°F)	Impact ISO-V J (ft·lbs)
YS-308L	DC+, As-welded	440(63)	570(82)	42	-196(-320)	60(44)
YS-316L	DC+, As-welded	460(66)	580(84)	43	-196(-320)	60(44)
YS-347	DC+, As-welded	500(72)	660(95)	41	-	-

Wire Diameter & Packaging

Packaging
Tin Can 20kg (44lbs) PE Bag 20kg (44lbs)