S-900SP

Flux Properties

Class. JIS Z 3352 SA CS1
EN ISO 14174-S A CS 1
Current AC, DC +
Density 1.2g/cm^3
BI 1.5
Grain Size 10 x 48 Mesh

Features

- Outstanding weldability, good slag removal
- Multi pole pipe welding

Wire Approvals

Wire	Approvals	AWS	EN ISO 14174 / 14171
M-12K	ABS	A5.17 F7A(P)4-EM12K	S A CS 1 / S2Si
A-2	ABS	A5.23 F9A(P)2-EA2-G	S A CS 1 / S2Mo
A-2TiB		A5.23 F9TA6-EA2TiB	S A CS 1 / S2MoTiB

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

Wire	C	Si	Mn	P	S	Mo
M-12K	0.09	0.35	1.55	0.025	0.005	-
A-2	0.11	0.25	1.50	0.020	0.005	0.40
A-2TiB	-	-	-	-	-	-

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)
M-12K	AC, As-welded	530(77)	580(84)	28	-40(-40)	70(52)
	AC, 620°C×1hr	510(74)	570(82)	30	-40(-40)	60(44)
A-2	AC, As-welded	650(94)	710(103)	24	-30(-20)	60(44)
	AC, 620°C×1hr	620(90)	690(100)	24	-30(-20)	50(37)
A-2TiB	AC, As-welded	600(87)	710(103)	24	-50(-60)	80(59)

Wire Diameter & Packaging

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