

SUPERFLUX 55ULT

Flux Properties

- Class.

JIS Z 3352 SA FB1

EN ISO 14174-S A FB 1
- Current

AC, DC +
- Density

1.2g/cm³
- BI

2.5
- Grain Size

10 x 48 Mesh

Features

- Outstanding weldability for two-run, multi welding
- Shipbuilding panel line

Wire Approvals

Wire	Approvals	AWS	EN ISO 14174 / 14171
H-14	ABS, BV, DNV, KR, LR, NK, RINA, RS, CWB, CE, DB, TUV	A5.17 F7A(P)8-EH14	S A FB 1 / S4
A-G	DNV	A5.23 F8A(P)8-EG-G	S A FB 1 / S4
A-3	ABS, BV, DNV, KR, LR, NK, RS	A5.23 F8A6-EA3-G, F8TA8-EA3	-

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

Wire	C	Si	Mn	P	S	Mo
H-14	0.07	0.40	1.55	0.018	0.003	-
A-G	0.08	0.25	1.55	0.021	0.010	-
A-3	0.09	0.30	1.43	0.022	0.002	0.43

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)
H-14	AC, As-welded	540(78)	610(89)	30	-60(-75)	180(132)
	AC, 620°C×1hr	520(75)	600(87)	32	-60(-75)	160(118)
A-G	AC, As-welded	540(78)	610(89)	30	-60(-75)	180(132)
	AC, 620°C×1hr	520(75)	600(87)	32	-60(-75)	160(118)
A-3	AC, As-welded	570(83)	650(94)	24	-50(-60)	70(52)

Wire Diameter & Packaging

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

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux