

SUPERFLUX 800T

Flux Properties

- Class.

JIS Z 3352 SA FB1

EN ISO 14174-S A FB 1
- Current

AC, DC +
- Density

1.1g/cm³
- BI

2.4
- Grain Size

10 x 48 Mesh

Features

- Outstanding multi weldability for thick steel plates
- Wind towers

Wire Approvals

Wire	Approvals	AWS	EN ISO 14174 / 14171
M-12K	CE, DB, TUV	A5.17 F7A8-EM12K	S A AB 1 / S2Si
A-2	CE, DB, TUV	A5.23 F8A4-EA2-A3	S A AB 1 / S2Mo

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

Wire	C	Si	Mn	P	S	Mo
M-12K	0.08	0.30	1.50	0.018	0.005	-
A-2	0.08	0.30	1.50	0.023	0.005	0.45

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	DC+, As-welded	450(65)	540(78)	29	-60(-75)	80(59)
A-2	DC+, As-welded	540(78)	650(94)	29	-40(-40)	50(37)

Wire Diameter & Packaging

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

SMW

GMAW

GTAW

FCAW

Metal-cored Wire

SAW Wire

SAW Flux