PF-H55E/US-36 FAMILIARC™

SAW flux and wire combination

Features:
- Suitable for single-pass-on-both-sides or multi-layer butt welding
- Good bead appearance and excellent impact value

Classification: AWS A5.17 F7A4-EH14

Type of flux: Bonded
Redrying Conditions: 200~300℃x1h
Polarity: AC

Packaging data

Flux	Mesh	Can
PF-H55E	10x48	20kg
Volume mm		240W, 350H, 240L

Wire	ϕ mm	Spool		Coil			Drum
US-36	1.6	10kg	20kg	-	-	-	-
	2.0	10kg	20kg	-	-	-	-
	2.4	10kg	-	25kg	76kg	-	300kg
	3.2	-	-	25kg	76kg	-	300kg
	4.0	-	-	25kg	75kg	150kg	300kg
	4.8	-	-	25kg	75kg	150kg	-
	6.4	-	-	25kg	78kg	159kg	-
Volume mm		240W, 110H, 240L	300W, 110H, 300L	430W, 90H, 430L	740W, 110H, 740L	840W, 110H, 840L	680ϕ, 770H (2.4ϕmm) 600ϕ, 920H (3.2, 4.0ϕmm)

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.12	0.10~0.20
Si	0.03	0.10
Mn	1.95	1.70~2.20
P	0.013	0.030
S	0.005	0.030
Cu	0.11	0.35

Note: [a] Single values are maximum.

Composition (weld metal mass%)

	Typical
C	0.09
Si	0.21
Mn	1.23
P	0.015
S	0.007

Weld mechanical properties

	Typical	Guaranty
0.2%YS (MPa)	460	400min.
TS (MPa)	530	483~655
El on 4d (%)	32	22min.
IV -40℃ (J)	118	27min.

Approvals

	Single	Tandem
ABS	3TM, 3YTM, 3Y400TM	3YTM, 3Y400TM
LR	3T, 3YM, 3YT	
DNV	ⅢYTM	
BV	A3YTM	A3, A3YT
NK	KAW53Y40TM	KAW53Y40M
CR	3M, 3YTM	-