FAMILIARC™ MF-38/ TRUSTARC™ US-49A

Flux and wire combination

Features:
- Suitable for multi-layer butt welding
- Excellent impact value down to -40℃

Classification: AWS A5.17 F7A6-EH14, F7P6-EH14

Type of flux: Fused
Redrying of flux: 150~350℃x1h
Polarity: AC

Packaging data

Flux	Mesh	Can		
MF-38	12x65	25kg		
	20x200	25kg		
	20xD	25kg		
Volume mm		240W, 350H, 240L		
Wire	ϕ mm	Coil		
US-49A	2.4	25kg	-	-
	3.2	25kg	-	150kg
	4.0	25kg	75kg	150kg
	4.8	25kg	75kg	-
Volume mm		430W, 90H, 430L	740W, 110H, 740L	840W, 110H, 840L

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.12	0.10~0.20
Si	0.02	0.10
Mn	1.99	1.70~2.20
P	0.007	0.030
S	0.005	0.030
Mo	0.24	0.15~0.35

Note: [a] Single values are maximum.

Weld mechanical properties

	Typical		Guaranty
0.2%YS (MPa)	540	490	400min.
TS (MPa)	620	590	483~655
El on 4d (%)	28	30	22min.
IV -51℃ (J)	50	60	27min.
PWHT (℃xh)	AW	620x1	AW & 620±15x1

Composition (weld metal mass%)

	Typical
C	0.09
Si	0.40
Mn	1.63
P	0.019
S	0.013
Mo	0.21