FAMILIARC™ MF-38/ TRUSTARC™ US-49

Flux and wire combination

Features:
- Suitable for butt and fillet welding
- Applicable for 0.5%Mo steel

Classification: AWS A5.23 F8A4-EG-A4, F8P2-EG-A4

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

Packaging data & Type of flax

Flux	Mesh	Can
MF-38	12x65	25kg
	20x200	25kg
	20xD	25kg
Volume mm		240W, 350H, 240L

Wire	ϕ mm	Spool		Coil	
US-49	1.6	-	20kg	-	-
	2.4	10kg	-	25kg	-
	3.2	-	-	25kg	76kg
	4.0	-	-	25kg	75kg
	4.8	-	-	25kg	75kg
	6.4	-	-	25kg	-
Volume mm		240W, 110H, 240L	300W, 110H, 300L	430W, 90H, 430L	740W, 110H, 740L

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.10	0.07~0.12
Si	0.03	0.05
Mn	1.58	1.25~1.80
P	0.009	0.025
S	0.011	0.025
Ni	0.02	0.25
Cr	0.05	0.15
Mo	0.52	0.45~0.60
Cu	0.12	0.35

Note: [a] Single values are maximum.

Composition (weld metal mass%)

	Typical	Guaranty [a]
C	0.10	0.15
Si	0.37	0.80
Mn	1.35	1.60
P	0.014	0.030
S	0.014	0.030
Mo	0.53	0.40~0.65
Cu	0.09	0.35

Note: [a] Single values are maximum.

Weld mechanical properties

	Typical		Guaranty	
0.2%YS (MPa)	520	510	470min.	
TS (MPa)	640	600	550~690	
El on 4d (%)	28	29	20min.	
IV (J)	-40℃: 37	-51℃: 40	-40℃: 27min.	-51℃: 27min.
PWHT (℃xh)	AW	600x3	AW	620±15x1

Approvals

ABS	3YM
LR	3YM
DNV	ⅢYM
BV	A3YM
NK	KAW3Y46M H10
CCS	3YM