MF-38/US-W52B FAMILIARC™

Flux and wire combination

Features:
- Suitable for butt and flat fillet welding
- Good impact value

Classification: AWS A5.23 F7A2-EG-G

Redrying Conditions: 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	Spool		Coil	
US-W52B	1.6	10kg	20kg	-	-
	2.0	10kg	20kg	-	-
	2.4	10kg	-	25kg	-
	3.2	-	-	25kg	76kg
	4.0	-	-	25kg	75kg
	4.8	-	-	25kg	-
Volume mm		240W, 110H, 240L	300W, 110H, 300L	430W, 90H, 430L	740W, 110H, 740L

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.10	0.15
Si	0.03	0.10
Mn	1.51	1.20~1.80
P	0.010	0.025
S	0.004	0.025
Ni	0.14	0.10~0.25
Cr	0.62	0.50~0.80
Cu	0.36	0.30~0.55

Note: [a] Single values are maximum.

Composition (weld metal mass%)

	Typical
C	0.05
Si	0.32
Mn	1.48
P	0.017
S	0.005
Ni	0.14
Cr	0.51
Cu	0.35

All-weld mechanical properties

	Typical	Guaranty
0.2%YS (MPa)	490	400min.
TS (MPa)	590	483~655
El on 4d (%)	25	22min.
IV -29℃ (J)	76	27min.