



FAMILIARC™

MX-A70C6

Less silicate islands
High impact value

AWS A5.18 E70C-6MH4
CWB W48-06 E492C-6M-H4



Highly efficient metal-cored
wires for carbon steel

FAMILIARC™

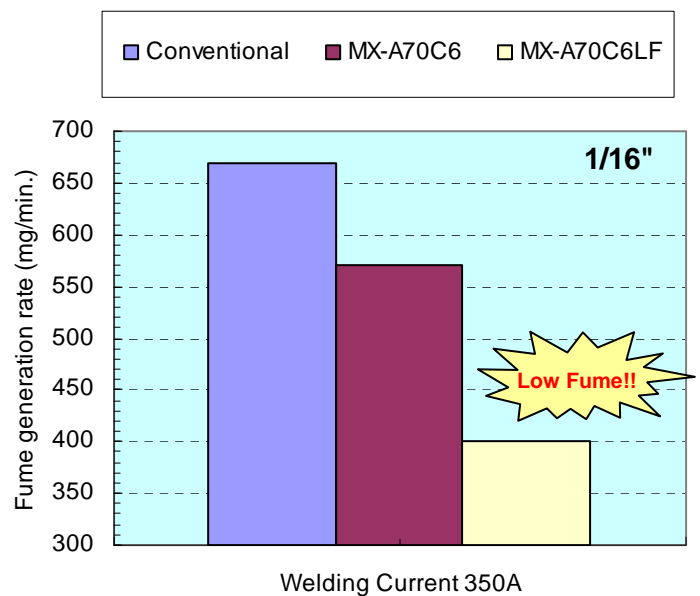
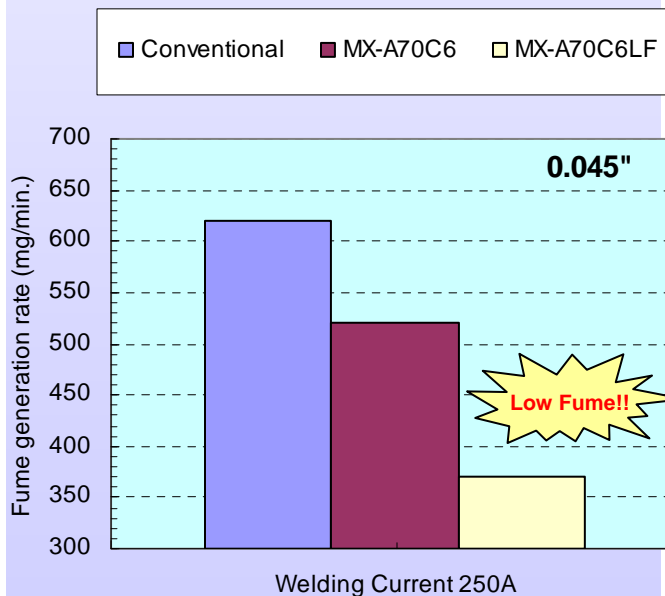
MX-A70C6LF

Extremely low fume
and less spatter

AWS A5.18 E70C-6MH4
CWB W48-06 E492C-6M-H4

Outstanding Features

- MX-A70C6 and MX-A70C6LF have lower fume and spatter generation than conventional metal cored wire.
- MX-A70C6 has reduced silicate islands for heavy-duty materials.
- The fume levels of MX-A70C6LF are lower than previous generation formulas.
- Its cored metal powder has higher deposition rates than solid wire and even flux cored wire.



Fume generation (90%Ar-10%CO₂)

Typical chemistry of weld metal and diffusible hydrogen content(80%Ar-20%CO₂)

Wire	C	Si	Mn	P	S	Diffusible hydrogen content ^a (ml/100g)
MX-A70C6	0.05	0.75	1.72	0.010	0.008	3.9
MX-A70C6LF	0.03	0.85	1.70	0.008	0.010	3.9

a. Gas chromatography method (AWS A4.3)

Typical mechanical property of weld metal(80%Ar-20%CO₂)

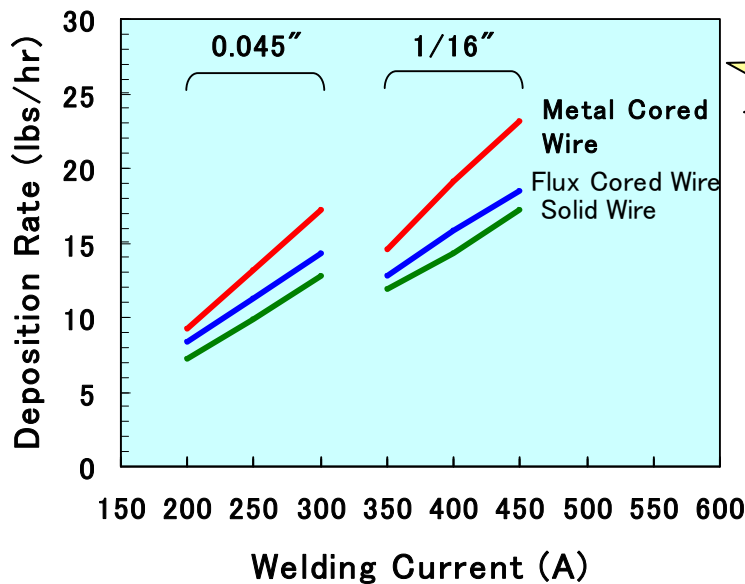
Wire	0.2%P.S (ksi)	T.S (ksi)	Elongation (%)	Impact value (ft-lbs)	
				-20 °F	-40 °F ^b
MX-A70C6	70	84	31	96	83
MX-A70C6LF	75	80	31	64	-

a. Test method: AWS A5.18

b. 90%Ar-10%CO₂

Diameters: 0.045", 0.052", 1/16"

Spool size: 44lbs, Drum: 550lbs



Typical deposition rate of welding consumables