



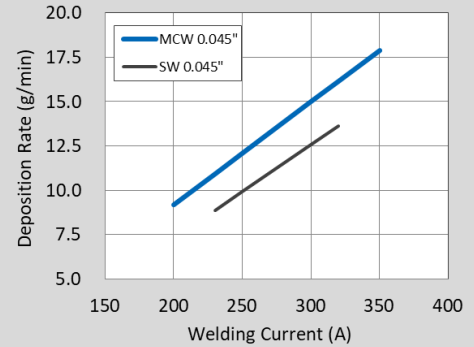
PREMIARC™ MX-A308L [AWS A5.22 EC308L]

PREMIARC™ MX-A309L [AWS A5.22 EC309L]

PREMIARC™ MX-A316L [AWS A5.22 EC316L]

Features and typical fields of application

- Premiarc™ MX-A308L, MX-A309L and MX-A316L are metal cored wires for welding austenitic stainless steel offering excellent arc stability in wider welding parameter ranges with higher deposition rates with shallower and wider penetration than conventional solid wire.
- These unique characteristics make this wire the best choice for demanding industries extending from thin sections on automotive components to thick materials on structural members.
- Excellent performance in flat and horizontal position with either 75-80% Ar-bal. CO₂ or Ar with up to 2%O₂ shielding gas.



Typical chemical composition of all weld metal per AWS A5.22 w/98%Ar-2%O₂

	C	Si	Mn	P	S	Ni	Cr	Mo	FNW*
MX-A308L	<0.01	0.53	1.8	0.017	0.004	10.3	20.3	0.02	15
MX-A309L	<0.01	0.51	1.8	0.015	0.004	12.7	24.6	0.02	26
MX-A316L	0.01	0.49	1.7	0.018	0.005	11.8	19.4	2.3	14

* Ferrite Number (WRC)

Typical chemical composition of all weld metal per AWS A5.22 w/80%Ar-20%CO₂

	C	Si	Mn	P	S	Ni	Cr	Mo	FNW*
MX-A308L	<0.01	0.53	1.7	0.017	0.004	9.9	19.7	0.04	11
MX-A309L	<0.01	0.51	1.7	0.019	0.007	12.1	23.9	0.02	21
MX-A316L	0.01	0.49	1.7	0.014	0.004	11.5	18.7	2.2	10

* Ferrite Number (WRC)

Typical mechanical property of all weld metal per AWS A5.22 w/80%Ar-20%CO₂

	0.2% P.S. (psi)	T.S. (psi)	EL. (%)
MX-A308L	56,000	87,000	43
MX-A309L	57,000	88,000	35
MX-A316L	57,000	81,000	36



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Packages

Wire Dia.	0.045"
Package	28Lbs plastic spool, 440Lbs drum

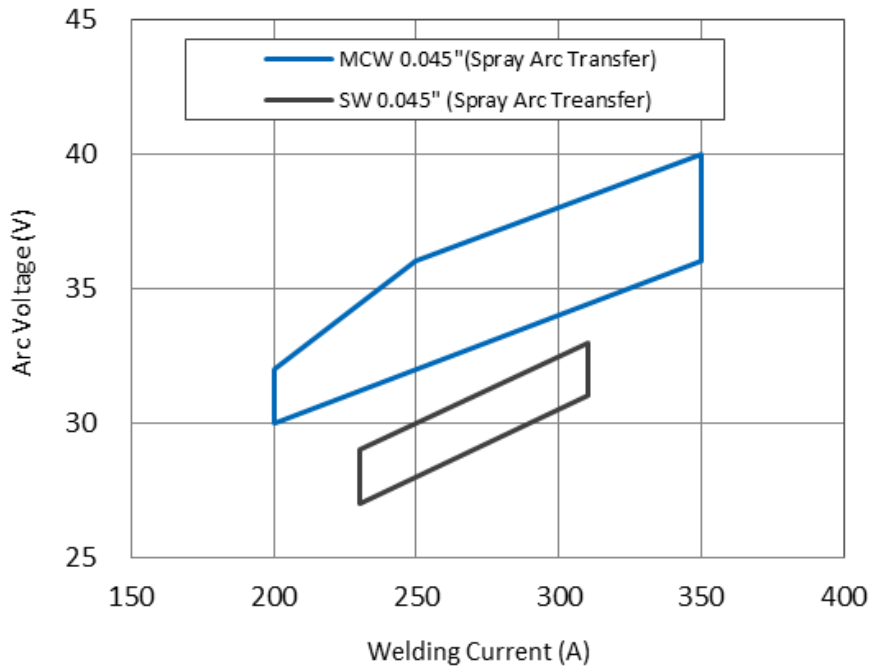


Table shown are approximate values that will vary depending on welding conditions (WESO, Cable length etc.). The range of solid wire with Ar-2%O₂ is shown in black for reference purpose.

Figure: Welding Parameter Window w/ Ar-2%O₂ or 80%Ar-20%CO₂

DISCLAIMER

- Information in this material, such as chemical compositions and mechanical properties, is typical or an example for explaining the features and performances of our products, and it does not mean guarantee unless otherwise it is specified.
- Information contained herein is subject to change without notice. Please kindly contact Kobelco for latest information.



WARNING: This product can expose you to chemicals including Nickel and Titanium Dioxide, which are known to the State of California to cause cancer, and Chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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