



## DW-309LMo

**Classification: AWS A5.22 E309LMoT0-1  
AWS A5.22 E309LMoT0-4**

**All-Weld-Metal (100%CO<sub>2</sub>)**

### 1-1. Chemical Composition

[Unit: mass%]

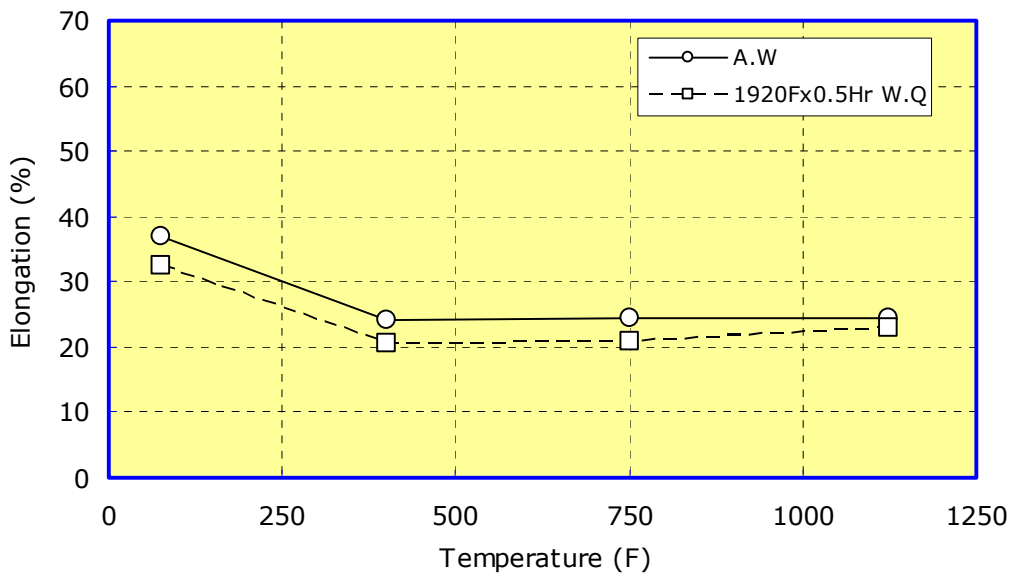
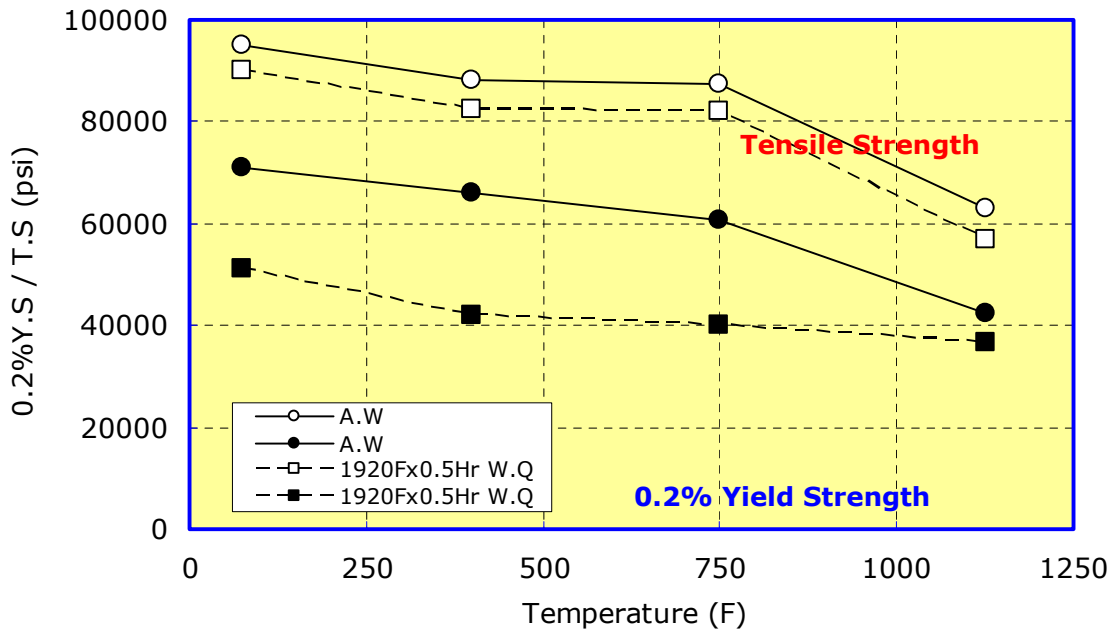
	C	Mn	Si	P	S	Ni	Cr	Mo	N
DW-309LMo	0.02	1.44	0.55	0.021	0.012	13.42	22.03	2.85	0.011
E309LMoT0-X	<0.04	0.5~2.5	<1.0	<0.04	<0.03	12.0~14.0	22.0~25.0	2.0~3.0	-----
	WRC <sub>1992</sub> (FN)		Shaeffler Diagram (%)			Delong Diagram (FN)			
DW-309LMo	21.5		12.9			>18			
E309LMoT0-X	-----		-----			-----			

### 1-2. Tensile Test

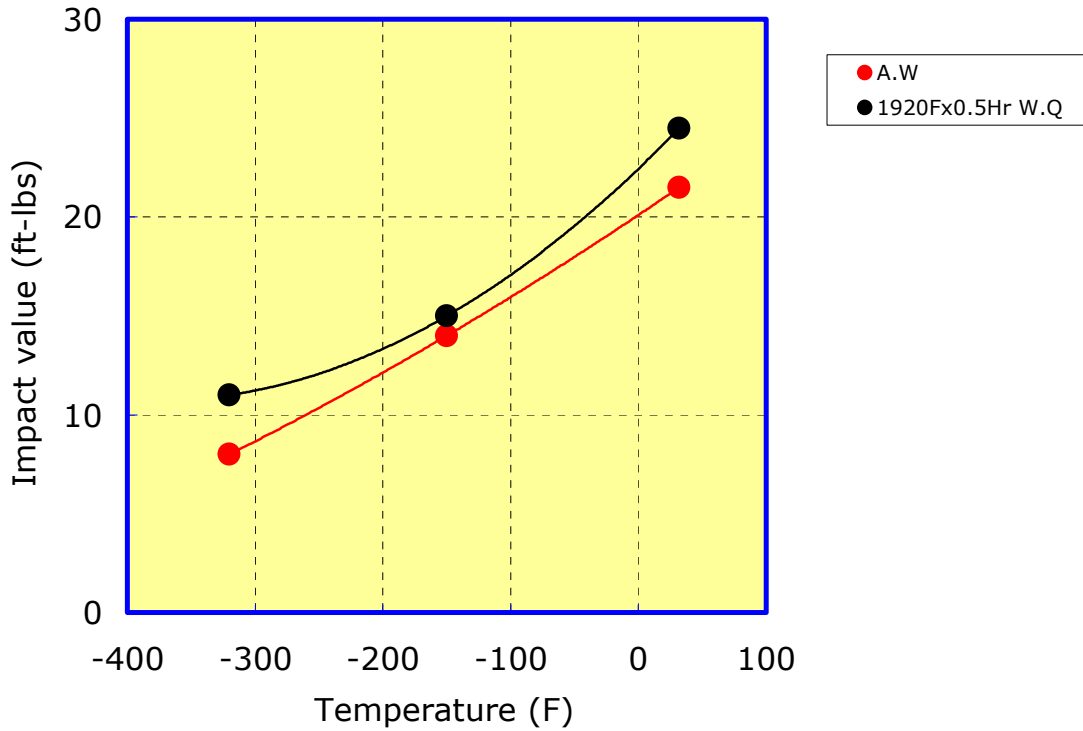
	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-309LMo	71,280	105,800	33	39
E309LMoT0-X	---	>75,000	>25	---

Note) Test was completed in the as welded condition and at room temperature

**Kobelco Welding of America, Inc.**



## 1-3. Impact Test



## 1-4. Corrosion Test

5% Sulfuric Acid Test

PWHT	Test Results (g/m <sup>2</sup> ·Hr)
As Welded	3.4



**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](http://www.P65Warnings.ca.gov).

**Kobelco Welding of America, Inc.**