



## DW-309LP

**Classification: AWS A5.22 E309LT1-1  
AWS A5.22 E309LT1-4**

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

#### 1-1. Chemical Composition

[Unit: mass%]

	C	Mn	Si	P	S	Ni	Cr	N
DW-309LP	0.02	0.80	0.42	0.017	0.005	12.59	23.24	0.039
E309LT1-X	<0.04	0.5~2.5	<1.0	<0.04	<0.03	12.0~14.0	22.0~25.0	-----
	WRC- <sub>1992</sub> (FN)		Shaeffler Diagram (%)			Delong Diagram (FN)		
DW-309LP	14.7		11.7			17.0		
E309LT1-X	-----		-----			-----		

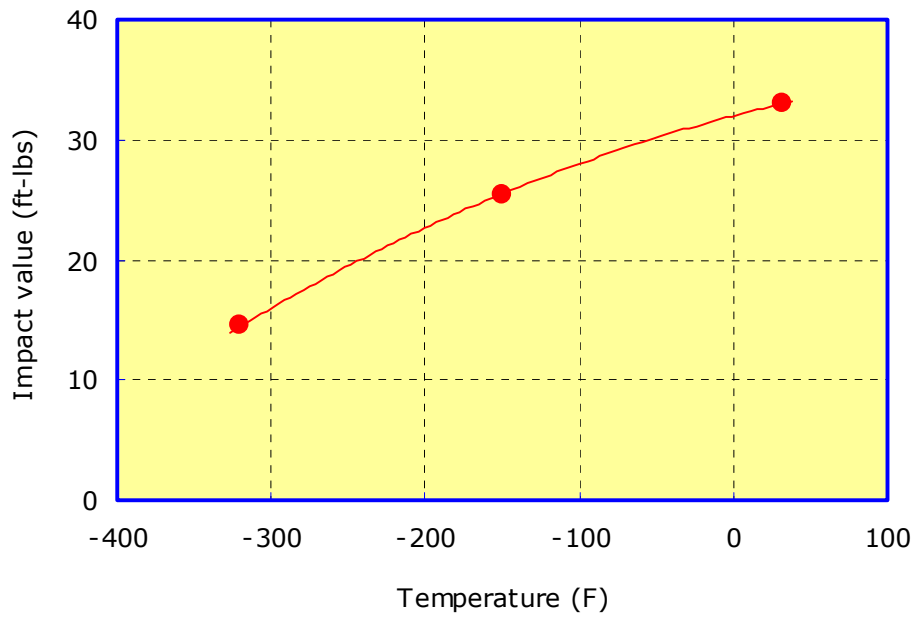
#### 1-2. Tensile Test

	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-309LP	59,056	79,188	42	51
E309LT1-X	---	>75,000	>30	---

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

**Kobelco Welding of America. Inc.**

## 1-3. Impact Test



**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).

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