

DW-316L

**Classification: AWS A5.22 E316LT0-1
 AWS A5.22 E316LT0-4**

All-Weld-Metal (100%CO₂)

1-1. Chemical Composition

[Unit: mass%]

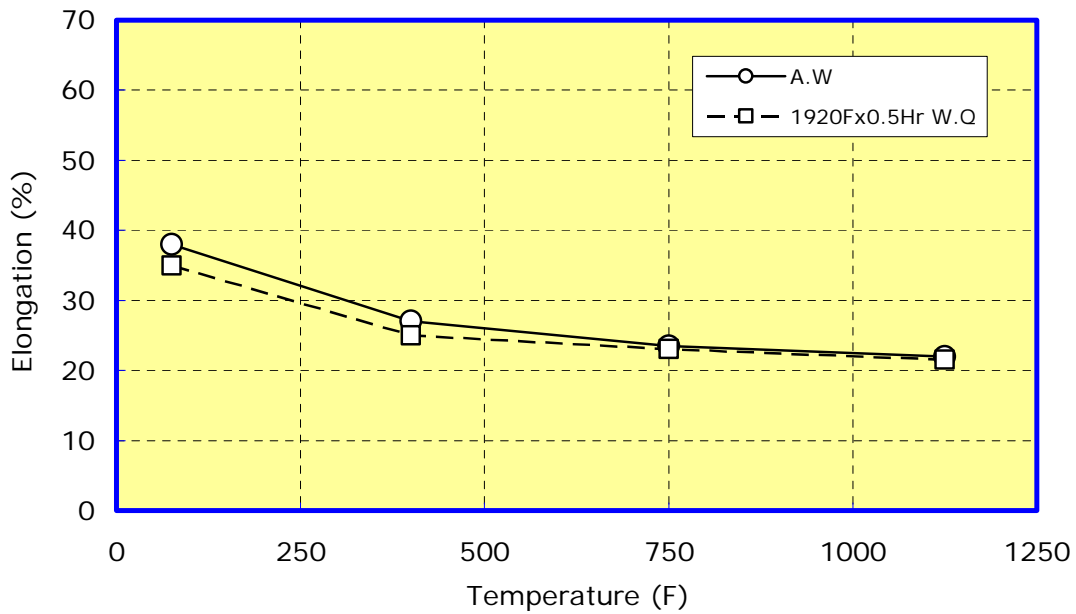
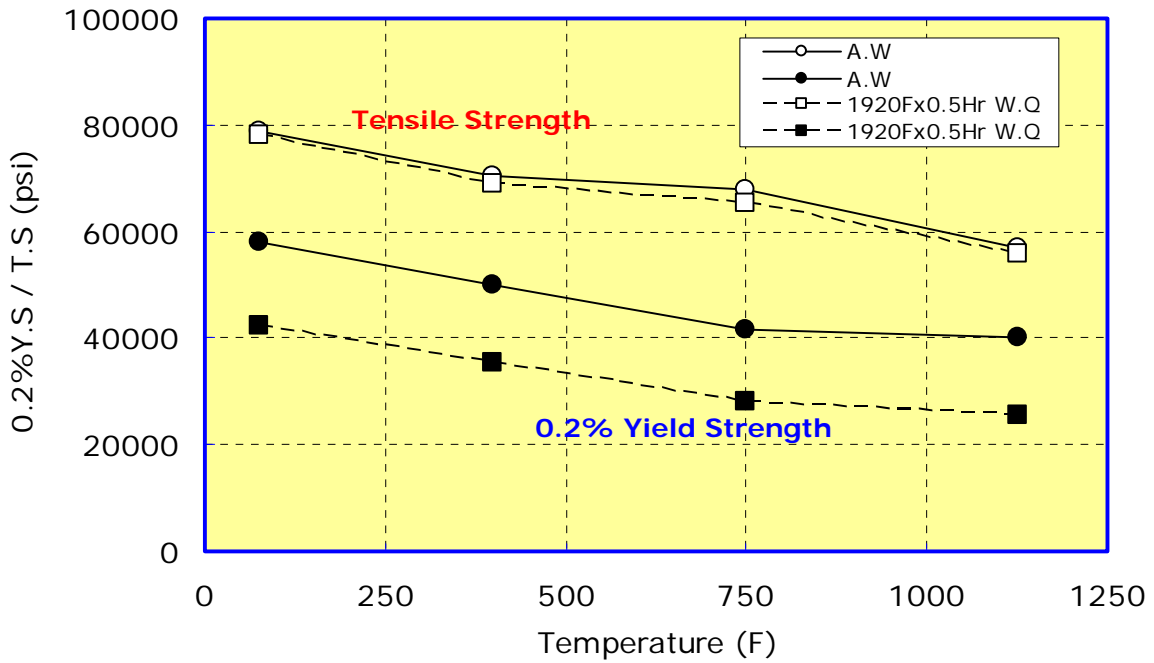
	C	Mn	Si	P	S	Ni	Cr	Mo	N
DW-316L	0.02	1.42	0.47	0.023	0.013	12.34	18.68	2.18	0.014
E316LT0-X	<0.04	0.5~2.5	<1.0	<0.04	<0.03	11.0~14.0	17.0~20.0	2.0~3.0	-----
	WRC ₁₉₉₂ (FN)		Shaeffler Diagram (%)			Delong Diagram (FN)			
DW-316L	7.1		5.6			9.2			
E316LT0-X	-----		-----			-----			

1-2. Tensile Test

	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-316L	57,521	81,800	37	36
E316LT0-X	---	>70,000	>30	---

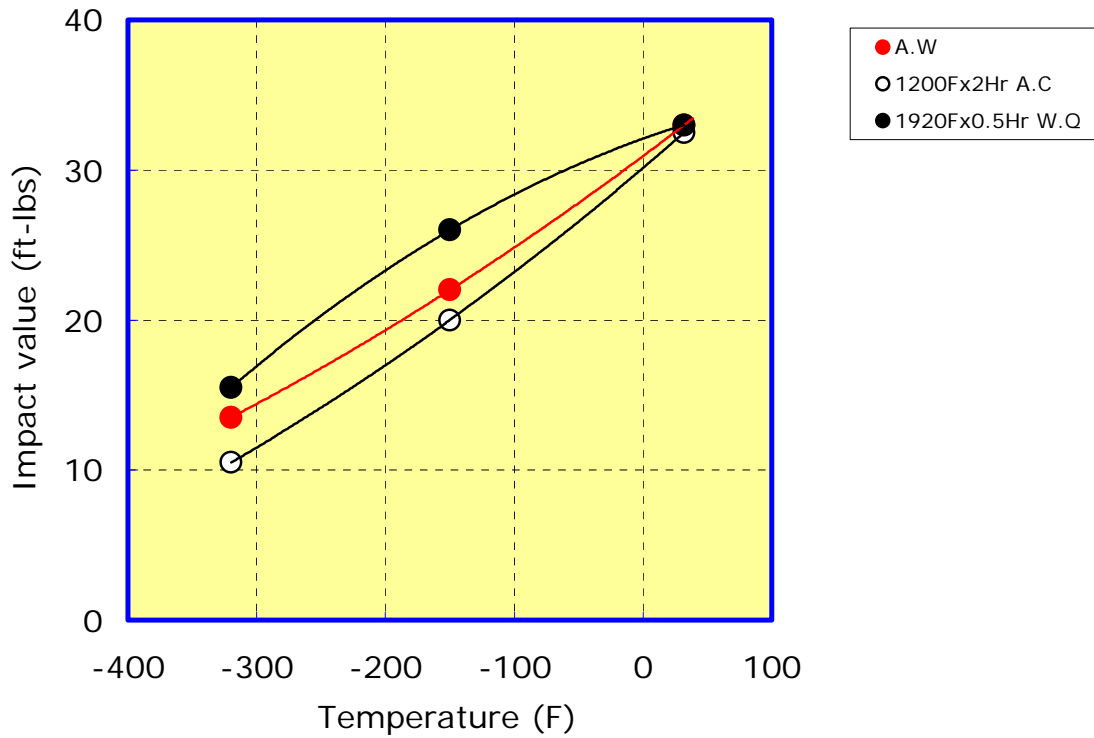
Note) Test was completed in the as welded condition and at room temperature

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1-3. Impact Test



1-4. Corrosion Test

5% Sulfuric Acid Test

PWHT	Test Results (g/m ² ·Hr)
As Welded	5.8
1,920 ° F x 0.5hr	5.6

Copper Sulfate Sulfuric Acid Test
 PWHT : 1200° F x 2Hr
 Bend Test Results : No Defect

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