



## DW-316LP

**Classification: AWS A5.22 E316LT1-1  
AWS A5.22 E316LT1-4**

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

### 1-1. Chemical Composition

[Unit: mass%]

	C	Mn	Si	P	S	Ni	Cr	Mo	N
DW-316LP	0.02	1.38	0.59	0.021	0.005	12.32	18.55	2.64	0.039
E316LT1-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 <sub>-1992</sub> (FN)		Shaeffler Diagram (%)		Delong Diagram (FN)				
DW-316LP	7.1		7.2		9.4				
E316LT1-X	-----		-----		-----				

### 1-2. Tensile Test

	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-316LP	60,172	81,508	36	44
E316LT1-X	---	>70,000	>30	---

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



### 1-3. Impact Test

