


KOBELCO FCW Data Sheet 13
DW-316LP

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

All-Weld-Metal (100% CO₂)

13-1. Chemical Composition

Unit : wt%

	C	Mn	Si	P	S	Ni	Cr	Mo	N
DW-316LP	0.021	1.38	0.59	0.021	0.005	12.32	18.55	2.64	0.039
E316LTX-X	≤0.04	0.5/2.5	≤1.0	≤0.04	≤0.03	11/14	17/20	2/3	---

13-2. Ferrite Content

	Shaeffler Diagram (%)	Delong Diagram (FN)	1992-WRC Diagram (FN)
As Welded	7.2	9.4	7.1

13-3. Tensile Test

	0.2% Yield Strength (psi)	Tensile Strength (psi)	Elongation (%)	Reduction of Area (%)
DW-316LP	60,172	81,508	36	44
E316LTX-X	---	270,000	≥30	---

Note: Test was completed in the as-welded condition at room temperature.

13-4. Impact Test