WELDWIRE COMPANY, INC. **Technical Information**

Chrome Moly Welding Wire

Alloy: WWEB-6
Class: EB-6

Conforms to Certification: AWS A5.23
ASME SFA A5.23

Welding Data

Weld Process: Submerged Arc Welding Process

AWS Chemical Composition Requirements

C = 0.10 max	P = 0.025 max
Mn = 0.35 - 0.70	Cr = 4.50 - 6.50
Si = 0.05 - 0.50	Mo = 0.45 - 0.70
S = 0.025 max	Cu = 0.35 max

Deposited Chemical Composition % (Typical)

C = 0.07	S = 0.010	Mo = 0.50
Mn = 0.60	P = 0.015	Cu = 0.20
Si = 0.39	Cr = 5.25	

Note: Using Neutral flux

Mechanical Properties (Nominal Values) R.T.

Tensile Strength	72.000psi
Yield Strength	
Elongation	27%

Application

This type wire is classified by the chemical composition of deposited weld metal in combination with a specific welding flux using the submerged welding process. The weld metal properties are obtained by the use of a properly selected flux and EB6 wire and knowing if the weldment is to be heat treated or as welded condition.

Recommended Welding Parameter

Weld parameter dependent upon the wire diameter and welding flux being used.

Note: Both agglomerated and fused fluxes can be used for submerged arc welding.

Note: The chemical composition of the flux mainly effects the chemistry of the weld metal and consequently its corrosion resistance and mechanical properties.

If additional information is needed Contact Weldwire Company, Inc. 800-523-1266