



# PRODUCT

## DATA SHEET

### Chrome Moly Welding Wire

Weld Process: Submerged Arc Welding Process

Alloy: EB-6 Class: EB-6

Conforms to Certification: AWS A5.23 / ASME SFA 5.23

Alloy: DMEB-6

#### 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.