



## Your Tubular Product Specialists

### **SA-178-A**

Electric-resistance welded carbon steel and carbon manganese steel boiler tubes.

#### **Chemical Properties:**

Carbon: 0.06-0.18      Silicon: n/a  
Manganese: 0.27-0.63      Nickel: n/a  
Potassium: 0.035      Chromium: n/a  
Sulfur: 0.035      Molybdenum: n/a

#### **Mechanical Properties:**

##### **Tensile Strength:**

ksi: 47  
MPa: 324

##### **Yield:**

ksi: 26  
MPa: 179

**Elongation in 2in. or 50mm, min. %: 35**

**Max. Hardness Rockwell B: 77**