



# Unibraise EB-9

**Specifications:** AWS A5.23 / ASME SFA 5.23 Class EB-9 UNS S50482

**Product Description:** Unibraise EB-9 is a non-copper coated submerged arc wire for welding 9%Cr-1%Mo modified with Nb and V. It is designed to provide improved creep strength, toughness, fatigue life, and oxidation and corrosion resistance at elevated temperatures up to 1200°F (650°C). Due to the higher elevated temperatures properties of Unibraise EB-9, components that are fabricated from stainless and ferritic steels may be fabricated with a single alloy, eliminating problems associated with dissimilar welds. Due to classification requirements of the specification, either impact toughness or high temperature creep strength should be determined. Due to the influence of various levels of C and Nb, specific values and testing must be agreed to by the purchaser and supplier.

## **Typical Chemical Composition**

C	Mn	Si	S	P	Cr	Ni	Mo	V	Nb	N	Al
.085	.52	.25	.003	.008	8.80	.47	.90	.21	.046	.034	.006

## **Typical Mechanical Properties**

Mechanical properties cannot be provide as results are based upon wire/flux combination and welding procedure.

## **Standard Sizes**

SAW 5/64" 3/32" 1/8" X 55 lb coils