

# POSTLE INDUSTRIES, INC.



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## Data Sheet

# POSTALLOY® 94-SPL

### Description

POSTALLOY 94-SPL is a gas-shielded, high strength bronze welding wire offering outstanding joining properties when used on different base materials. Deposits are extremely tough. Base metals recommendations are bronze, carbon and alloy steels and cast iron.

### Specifications

#### Frictional Wear and Corrosion Resistance

Deposits work-harden in service and take on an exceptionally high polish providing excellent bearing properties. In addition the corrosion resistance is among the best of the copper alloys with good resistance to salt water and other chemicals.

#### Weld Deposit Properties:

Tensile Strength .....	up to 90,000 psi
Elongation .....	up to 28%
Hardness .....	as deposited - 150 BHN work-hardens - up to 225 BHN

### Applications

Bearings	Valve bodies and seats
Bushings	Guides
Impellers	Gear teeth
Mixing arms	Pulleys
Paper mill rolls	Ideal as a non-sparking alloy or for providing an
Propellers	Anti-scratch surface.

### Welding Parameters - Use DC Reverse Polarity

POSTALLOY 94-SPL works well in full spray transfer. Volts and amperages should be adjusted accordingly. Recommended cover gas is Argon/Oxygen if ferrous metals are involved in the application and pure Argon if welding non-ferrous metals.

### Packaging

Diameter	.045“(1.2mm)
5 Lb. Spools	Available
25 Lb. Spools	Available