

EUTALLOY 10146

Copper Alloy Designed For The Eutalloy Process

DESCRIPTION :Eutalloy 10146 is a copper-tin Eutalloy alloy designed for build-up and joining of copper-base alloys. It provides an excellent combination of machinability and corrosion resistance.

Product Details:

- Excellent machinability
- Very good corrosion resistance
- Low coefficient of friction

APPLICATIONS:

Deposit Thickness: Unlimited

- Shafts
- Gears
- Gauges
- Slideways
- Beds
- Molds
- Keyways

PROCEDURE FOR USE:

Preparation:

All oxides, dirt, grease, or other contaminants should be removed before application. This can be accomplished by mechanical preparation with a file, cutting tool (without lubrication), clean wire brush, grinding or grit blasting.

Coating Instructions:

Adjust the torch flame so that a neutral or slightly carburizing flame is achieved and preheat the surface to approximately 575F. After depositing a layer of powder, fuse with the torch flame until a glazed appearance is achieved.

Note:

Spray a thin coat of Eutalloy 10224 to prevent oxidation of the base material.

Leave the part to cool slowly and away from air currents.

Where possible, place it in vermiculite or cover with a thermal blanket.

Finishing: Grinding or machining

TECHNICAL DATA:

Typical hardness: 28 HRB

Maximum Service Temperature: 700°F (371°C)