

ALLOY AIM 70

FEATURES

- ▶ Fusible Alloy
- ▶ Low Melting Temperature 70°C

DESCRIPTION

AIM's AIM 70 Alloy is composed of Bismuth, Cadmium, Lead, and Tin. This alloy has a melting temperature of 70°C (158°F), a density of 9.58 gr/cm³ (.3458 lbs/in³), and an Electrical Conductivity % of IACS of 4.00. AIM 70 is typically used for the production of hospital radiation shields. AIM 70 may also be used for machine blocking and lens grinding.

MAJOR ALLOY INGREDIENTS IN PERCENT

Bi	Cd	Pb	Sn
50%	10%	27%	13%

USER INSTRUCTIONS

- ▶ Melt alloy using double boiler or a low temperature melt pots. Set pot at 170°F.
- ▶ For tube blending:
 - ▶▶ Plug one end of the tube. Fill tube with oil. Pour oil out of tube and then pour in the molten alloy. Quench tube in cold water.
 - ▶▶ When tube is at room temperature, bend. After bend, place tube in hot water set at 170°F. Pour metal back in original container.

HANDLING & STORAGE

Refer to Material Safety Data Sheet for specific handling and storage information.

FLUX COMPATIBILITY

AIM 70 is compatible with most grades of industrial flux.

CLEANING

Refer to data sheets provided by flux manufacturer.

SAFETY

Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying Material Safety Data Sheet for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.