



Solder plus Support

LENS BLOCKING MATERIALS



INDIUM ALLOYS AT A GLANCE

- ▶ Available as standard 47°C (117°F) alloy & Lead/cadmium free 60°C alloy
- ▶ Standard 1 to 1.5 Lb bars for ease of handling & quick melting
- ▶ Recyclable: AIM can recycle all of your used/spent blocking alloy
 - ▶ Contact AIM for free alloy recycling shipping containers

AIM **LENS BLOCKING MATERIALS** are low melting temperature alloys that contain bismuth, lead, tin, cadmium or indium. These materials hold lenses firmly in place during processing.

In response to customer demands for environmentally-friendly materials, AIM has recently developed the lead-free and cadmium-free AIM 60 alloy, composed of Indium, Bismuth, and Tin. AIM lens blocking materials are rarely consumed in an operation and therefore can be remelted and used multiple times. AIM's lens blocking materials are available as 1.5 pound bars for easy handling by your laboratory technicians.

AIM also offers a material recycling program, enabling you to enjoy value for your spent alloy. Contact AIM for more information.

Specifications on Commonly Used Lens Blocking Materials

Alloy Composition	AIM 47	AIM 60	AIM 70
Bismuth	44.7	32	50
Lead	22.6		26.7
Tin	8.3	16.5	13.3
Cadmium	5.3		10
Indium	19.1	51.5	
Melting Temp (°C)	47	60	158
Density lb/in³	.32	.28	.339