

LENS BLOCKING MATERIALS



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.

Specifications On Commonly Used Lens Blocking Materials

AIM Blocking Alloy	47	60	70
<u>Composition %</u>			
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/in ³	.32	.28	.339

AIM's lens blocking materials are available as 1.5 pound bars for easy handling by your laboratory technicians.

AIM also offers a lens blocking material recycling program, enabling you to enjoy value for your spent alloy. Contact AIM's Specialty Material Department for additional information at 401-463-5605.

AIM has the lens blocking materials and technical support necessary to fulfill your most stringent requirements.

For additional information please contact AIM at
1 800 CALL-AIM
1 401 463-5605
1 401 463-0203 Fax
or visit us on the web at
www.aimsolder.com