

SN63/PB37 SOLDER BAR

- Melting Point: 183°C (Eutectic)
- Excellent Shine & Solder Joint
- In Accordance with ISO 9453: 2020
- Superior Solderability

DESCRIPTION

PAI Sn63Pb37 solder bar are manufactured using virgin raw metals and automated vacuumized solder bar Technology, an advanced, oxygen-free alloying process. This state-of-the-art method ensures the production of a solder alloy with exceptional purity, significantly reducing dross formation during use. By minimizing oxidation at the source, this technology enhances process efficiency and contributes to a cleaner, more stable soldering environment. The alloy's eutectic composition—63% tin and 37% lead—provides a precise melting point of 183°C, allowing the material to transition directly between solid and liquid phases. This eliminates the "pasty range" associated with non-eutectic solders, resulting in faster, cleaner soldering and reducing the likelihood of defects such as cold joints or bridging. These characteristics make PAI Sn63Pb37 ideal for high-speed, high-precision electronic assembly processes.

HANDLING & STORAGE

PARAMETER	DURATION	TEMPERATURE
Shelf Life	10 years	Room Temperature

Store the material in a dry, cool, and non-corrosive area, away from fire or open flames. Always wear appropriate Personal Protective Equipment (PPE) while handling or processing to ensure safety.

For more details, please visit Our Website at www.pai-aimsolder.com or



STANDARD AVAILABILITY

Sn63/Pb37 is available in 10kgs of standard packaging. Sn63/Pb37 is also available in solid and flux cored wire.

ALLOY COMPOSITION

ALLOY COMPOSITION CRITERIA	
Sn: 63±0.5%	Pb: 37±0.5%

APPLICATION

Sn63/Pb37 provide versatile solutions like wave soldering, hot dip soldering, HASL, and plating to meet various industrial needs. Wave soldering is ideal for assembling through-hole components quickly and reliably. Hot dip soldering offers strong, corrosion-resistant joints for durable applications. HASL gives PCBs a smooth, solderable finish for better performance. Our plating options, including tin, nickel, and gold, enhance conductivity, protect surfaces, and improve appearance. These methods ensure high-quality, cost-effective results across electronics and metal finishing projects.

SAFETY

Ensure adequate ventilation during use. Always wear appropriate personal protective equipment (PPE). Consult the Safety Data Sheet (SDS) for detailed emergency procedures. Dispose of hazardous materials only in approved containers.

Write to us on support@pai-aimsolder.com