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An American National Standard

Standard Specification for Low Melting Point Alloys¹

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1. Scope

1.1 This specification covers low-melting point metal alloys and solders, including bismuth–tin, bismuth–lead, bismuth–tin–lead, bismuth–tin–lead–cadmium, bismuth–tin–lead–indium–cadmium, bismuth–tin–lead–indium, indium–lead, and indium–lead–silver, and indium–tin joining together two or more metals at temperatures below their melting points; blocking for support and removable borders; radiation shielding; fusible plugs; fuses; tube bending; and punch setting.

1.1.1 This specification shall include those alloys having a liquidus temperature not exceeding 361°F (183°C), the melting point of the tin lead eutectic.

1.1.2 This specification includes low-melting point alloys in the form of solid bars, ingots, powder and special forms, and in the form of solid ribbon and wire.

1.2 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

1.3 ~~The following precautionary caveat pertains only to the test method portion, Section 13, of this specification: This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.~~

2. Referenced Documents

2.1 ASTM Standards:

¹ This specification is under the jurisdiction of ASTM Committee B-2 B02 on Nonferrous Metals and Alloys and is the direct responsibility of Subcommittee B02.02 on Refined Lead, Tin, Antimony, and Their Alloys.

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