

Solder Shot (Bi100) 1oz (28g)

Product Highlights

Electronics Grade

Manufactured Specifically for Making High Quality Electronic Solder Alloys

Shot Format For Easy Fractional Measurement to Create Custom Solder Alloys

High Purity

Specifications

| | |
|----------------|--|
| Alloy: | Bi100 (Bismuth) |
| Melting Point: | 271.4°C (520.5°F) |
| Purity: | 99.99+% Bismuth (4N). Conforms to all IPC J-STD-006C soldering alloy impurity levels |
| Packaging: | 1 oz (28g) shot |
| Shelf Life: | Indefinite |

Purity

| Element | IPC J-STD-006C | ChipQuik® SMDBI100-S-1 |
|---------------|----------------|---------------------------|
| Silver (Ag) | 0.100 % | < 0.100 % |
| Aluminum (Al) | 0.005 % | < 0.005 % |
| Arsenic (As) | 0.030 % | < 0.030 % |
| Gold (Au) | 0.050 % | < 0.050 % |
| Bismuth (Bi) | 0.100 % | > 99.990 % |
| Cadmium (Cd) | 0.002 % | < 0.002 % |
| Copper (Cu) | 0.080 % | < 0.080 % |
| Iron (Fe) | 0.020 % | < 0.020 % |
| Indium (In) | 0.100 % | < 0.100 % |
| Nickel (Ni) | 0.010 % | < 0.010 % |
| Lead (Pb) | 0.070 % | < 0.070 % |
| Tin (Sn) | 0.250 % | < 0.250 % |
| Zinc (Zn) | 0.003 % | < 0.003 % |
| Antimony (Sb) | 0.200 % | < 0.200 % |

Tolerances: +/-0.100% (Composition ≤ 1.000%), +/-0.200% (1.000% < Composition ≤ 5.000%), +/-0.500% (Composition > 5.000%)

Storage and Handling

Store in a dry non-corrosive environment.

Transportation

This product has no shipping restrictions.

Test Results

| Test J-STD-004 or other requirements as stated | Test Requirement | Result |
|--|--|-----------|
| Conflict Minerals Compliance | Electronic Industry Citizenship Coalition (EICC) | Compliant |
| REACH Compliance | Articles 33 and 67 of Regulation (EC) No 1907/2006 | Compliant |

Conforms to the following Industry Standards:

| | |
|---|-----|
| J-STD-006C, Amendments 1 & 2 (Solder Alloys and Fluxed/Non-Fluxed Solders): | Yes |
| RoHS 3 Directive (EU) 2015/863: | Yes |

Available Solder Shot Metals

| Metal | Melting Point | Orderable Part Number | Size |
|-----------------|----------------------|------------------------------|--------------|
| Sn100 (Tin) | 232°C (449.4°F) | SMDSN100-S-1 | 1 oz (28g) |
| | | SMDSN100-S-16 | 1 lb (454g) |
| Pb100 (Lead) | 327.5°C (621°F) | SMDPB100-S-1 | 1 oz (28g) |
| | | SMDPB100-S-16 | 1 lb (454g) |
| In100 (Indium) | 157°C (315°F) | SMDIN100-S-1 | 1 oz (28g) |
| | | SMDIN100-S-16 | 1 lb (454g) |
| Bi100 (Bismuth) | 271.4°C (520.5°F) | SMDBI100-S-1 | 1 oz (28g) |
| | | SMDBI100-S-16 | 1 lb (454g) |
| Ag100 (Silver) | 961°C (1761°F) | SMDAG100-S-0.25 | 0.25 oz (7g) |
| | | SMDAG100-S-1 | 1 oz (28g) |
| Cu100 (Copper) | 1084°C (1983°F) | SMDCU100-S-1 | 1 oz (28g) |
| | | SMDCU100-S-16 | 1 lb (454g) |