

## Solder Shot (Bi100) 16oz (454g)

### 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 lb (454g) shot
Shelf Life:	Indefinite

### Purity

Element	IPC J-STD-006C	ChipQuik® SMDBI100-S-16
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

<b>Metal</b>	<b>Melting Point</b>	<b>Orderable Part Number</b>	<b>Size</b>
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)