

Gold Bonding Wire (Au100) Gold 25um (1.0mil)

Product Highlights

High Purity Gold > 99.99% (4N). Designed specifically for wire bonding. Gold bonding wire is used to connect electrical components in many industries, including electronics, aerospace and medicine. Gold bonding wire has excellent electrical conductivity, stability and resistance to corrosion. It is an important material in semiconductor and electronic device manufacturing. It is commonly used for wire bonding to electrically connect microchip semiconductor dies to the terminals of a chip package or directly to a substrate. Commonly used by integrated circuit (IC) packaging shops, research labs and advanced manufacturing facilities.



Specifications

| | |
|------------------------|--|
| Use: | Gold Bonding Wire |
| Alloy: | Au100 |
| Manufacturing Process: | This bonding wire is drawn, annealed and stress relieved during manufacturing. |
| Spool Information: | The spool is aluminum alloy, which is electrically conductive. The anodized layer on the spool is insulating. |
| Tensile Strength: | 9-15 gf |
| Elongation (%): | 10-16 |
| Melting Point: | 1,064°C (1,947°F) |
| Packaging: | Spool |
| Diameter: | 25µm (1.0 mil) |
| Length: | 100m (328 feet) |
| Shelf Life: | > 12 months |
| Purity: | 4N (>99.99%) |
| Wire Weight: | 950 mg |

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

Chip Quik Gold Bonding Wire (Au100) Orderable Part Numbers

| Part Number | Gold (Au) Purity | Tensile Strength | Elongation (%) | Diameter | Length | Photo |
|----------------|------------------|------------------|----------------|----------------------|-----------------|---|
| CQB-AU100-20um | 4N (>99.99%) | 7-11 gf | 8-14 | 20 μ m (0.8 mil) | 100m (328 feet) |  |
| CQB-AU100-23um | 4N (>99.99%) | 8-14 gf | 10-16 | 23 μ m (0.9 mil) | 100m (328 feet) |  |
| CQB-AU100-25um | 4N (>99.99%) | 9-15 gf | 10-16 | 25 μ m (1.0 mil) | 100m (328 feet) |  |