

The bubble size and number

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About the concept of the bubble size and number in Japan

- There are not so many examples of concretely providing for the size and the amount, etc. (judgment).
- If the bubble stands out by externals (Without expanding), it is decreased extent usually.

It was the ..criteria of D company.. following. the having shown example a concrete numerical value

1) Thing that bubble doesn't step over between leads of chip
2) 0.2 There must not be one of $\phi 0.3\text{mm}$ between leads of the chip 1?2 or more.

The bubble size

If it is a thing of putting it in question, does it become 0.3mm or more?

The bubble of about 0.2mm is seen enough in ten times the loupe.

The standard of IPC-CC-830
Externals do not include the bubble and the pinhole crack by observing it with ten times the loupe.

Reason why moisture permeability of silicone is high

The silicone of a main chain of a general organic material composed of carbon-carbon (-C-C-).

It is easy to move very much on a main chain by the structure of (-Si-O-Si-O-). It is easy to pass the gas and steam to this because the space of the molecule is large. Please refer to the following one.

http://silicones.momentive.jp/06_faq/repellent.htm