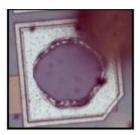
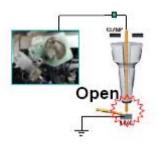


The Barriers of copper wire-bonding are

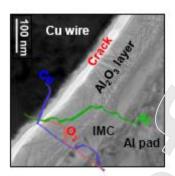
Chip damage



Low 2nd Bond workability



Weak reliability in high end package and in high humid condition



> Short floor/shelf life time.



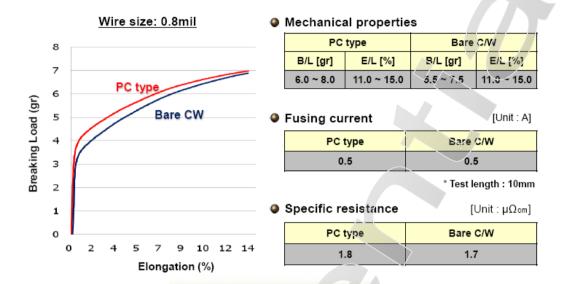
To overcome these barriers, PdCu wire was developed.

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Similarities between PdCu wire and Bare Copper wire:

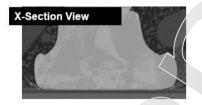
Mechanical and Electrical properties

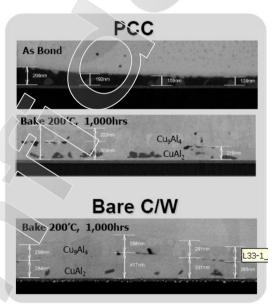


> Intermetallic growth.



IMC growth of PCC wire is very similar With that of bare CW .



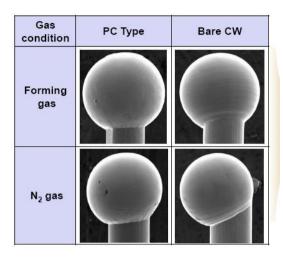


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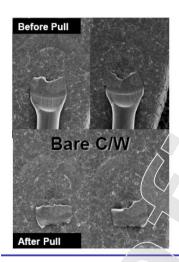


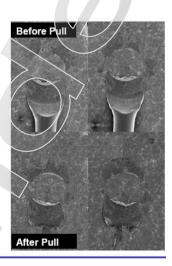
Advantages of Pdcu wire:

> Better FAB shape with both forming and the nitrogen gas.



> The PdCu wire will have broad, stable, even remnant in stitch bond shape.





- > Longer floor life than Bare Copper wire.
- Better HAST performance

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