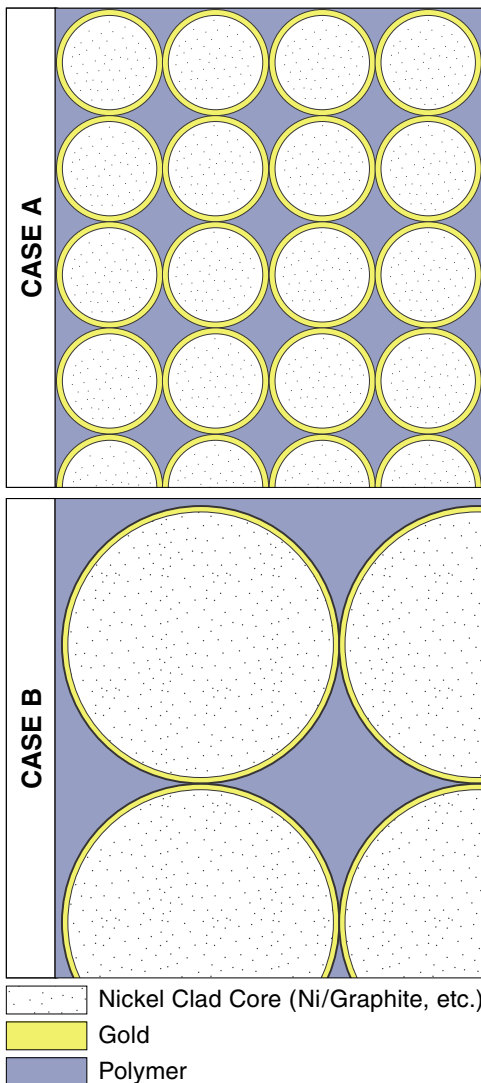


E·FILL™

Influence of True Particle Size



Conclusions:

- 1) The total gold content per unit volume of conductive polymer is lower in Case B.
- 2) Filler weight % loading is about the same in both cases.
- 3) Filler volume % loading is about the same in both cases.
- 4) The conductive polymer density is about the same in both cases.
- 5) Filler gold content by weight % in Case A is higher compared to Case B.
- 6) The number of contacts among particles per unit volume of conductive rubber is higher in Case A.

Note: Nickel clad core true particle densities are the same in both cases.

Cost of one cm³ of conductive polymer in Case B will be lower than in Case A.

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