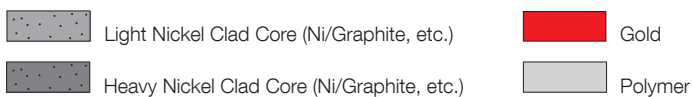
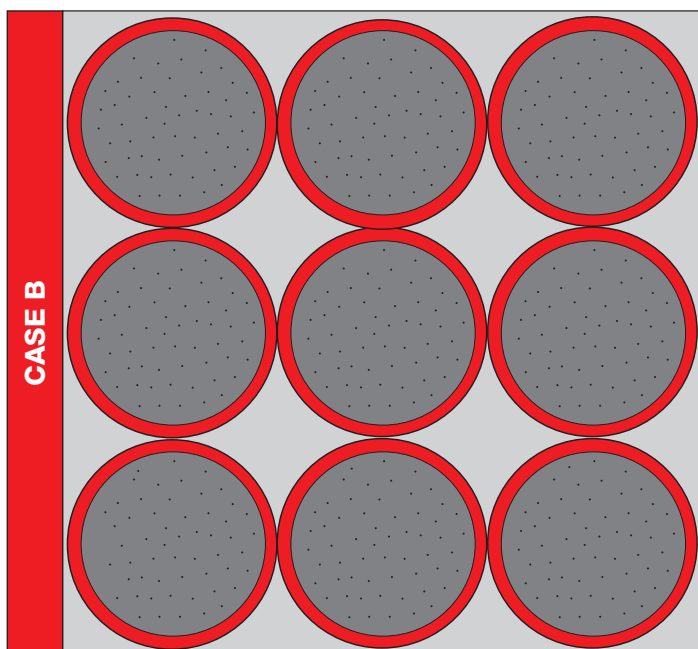
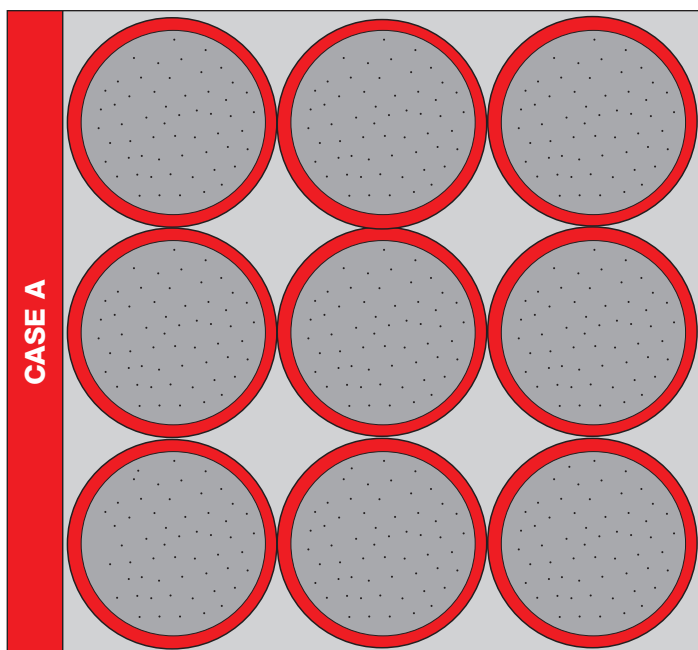


## E-Fill

### Influence of True Particle Density



#### Conclusions:

1. The total gold content per unit volume of conductive polymer is the same in both cases.
2. Filler weight % loading is higher in Case B compared to Case A.
3. Filler volume % loading in Case A is the same as in Case B.
4. The conductive polymer density in Case A is lower compared to Case B.
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 the same in both cases because the particle size is identical in both cases.

**True Particle Density =  
Particle Volume / Particle Weight**