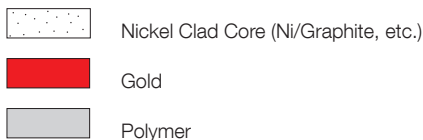
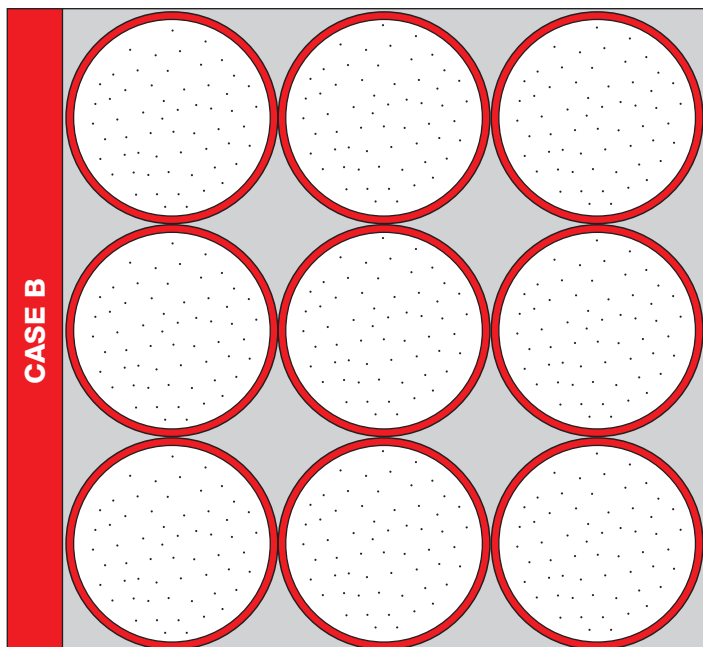
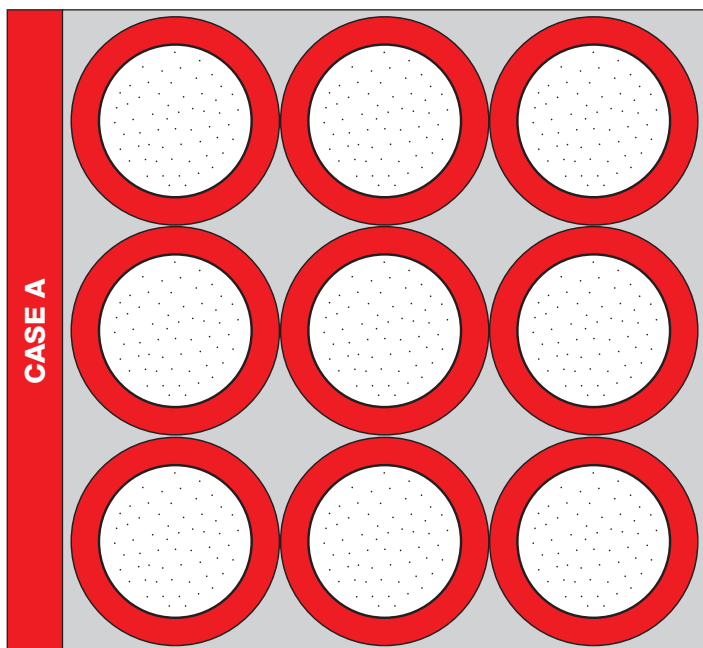


E-Fill

Influence of Gold Cladding Thickness



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 (the gold cladding thickness differences are not to scale).
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 similar in both cases because the particle size is about the same.

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