## For interface

Criteria: as thick as possible, as soft as possible

   Option 1: **Foam tapes** ensure perfect contact of conducting fabric, however, it would be hard to take off when we try to change configurations. The product I would choose is the 3M™ Urethane Foam 4317, which have the most thickness and least hardness. A complete selection of the rest of the foam tape is included in the link below:

<https://multimedia.3m.com/mws/media/116549O/single-coated-foam-tapes-4100-4300-4500-and-4700.pdf>

   Option 2: **Foams** **and sponge**are readily accessible however they usually don’t provide their hardness data, so we should try just try to purchase some sponge from and foam from Walmart and test them out. In case we need to purchase from an industrial source one day we can check out this website:

<http://www.foamite.com/custom-cut-foam/foam-pricing/>

In which we should choose the one with foam grade 1112.

## For fabric

In my opinion, as a conductor, our current fabric is good enough since it has got low resistance already.

However, as a pressure sensor there is a material on Adafruit that’s got a very high surface resistivity: < 31,000 ohms/sq.cm. Its sensitivity is not mentioned but we can test it out to see if it suits our needs.

<https://www.adafruit.com/product/1361#technical-details-anchor>

In this case we may not even need the interface anymore.