Underlying data for the article **'Quantification of fundamental textiles properties of electronic textiles fabricated using different techniques’**

The files below show the raw data used to create the graphs in figures 6, 8, 10 and 11. The methods section within the article clearly describe how the tests were conducted.

**Air permeability**

File name: **airpermeability.xlsx**

* This file has the raw data for the air permeability testing, as well as the table used to create the graphs. The sheet entitled ‘airpermability raw data’ contains the raw data and the sheet entitled ‘airpermability average and stdv’ contains the averages and the standard deviation used to create the graph in figure 6.

**Drape**

File name: **drape.xlsx**

* This file has the raw data for the drape testing, as well as the table used to create the graphs. The sheet entitled ‘drape’ contains the raw data and the average data used to make the graphs in figure 8.

**Thermal conductivity and thermal effusivity**

File name: **C-Therm.xlsx**

* This file has the raw data and the processed data for the thermal conductivity and thermal effusivity testing, as well as the table used to create the graphs in figure 10.

**Liquid moisture transfer**

The following files contain the raw data from the M/K System GATS. The raw data is for each sample up to saturation. The files names clearly indicate which sample the raw data is concerning.

File names:

**A Plain structure (interlock).xlsx**

**B Conductive Path.xlsx**

**B Electrode.xlsx**

**C Conductive Path.xlsx**

**C Electrode.xlsx**

**D Knitted Channel.xlsx**

**D Knitted Component.xlsx**

The M/K System GATS software summarises the raw data which is presented in the file entitled **MK GATS Sum.xlsx**. There are four sheets within the workbook, which show the summary and processed data of each sample from A-D. Each sheet is titled with the sample name. The processed data was used to create the graphs in figure 11.