**facilitated discussion- why are soccer kits made with specific types of materials? (15 min)**

**Summary:** After gaining a deeper understanding of performance material properties in the preceding lab, students should answer a set of questions aimed to lead them to think about how and why certain materials were chosen for the team uniform kits.  In groups, students should be encouraged to debate on how often a team should release a new kit (currently Brazilian teams release five total kits each year) to balance economic and sustainability concerns.

**ILOs:**

1. Discuss the pros and cons of various material choices in clothing in light of both economic and sustainability concerns

**Equipment list:**

Data from A12, Fabric Testing

**Procedure:**

1. Have students fill in handout and think about how to utilize certain properties of the fabrics
2. Discuss as a group and ask some bigger questions live for group to think about

**Discussion questions/debrief:**

* Did you have assumptions about how different fabrics would perform? Did these hypotheses end up being true?
* What properties of these fabrics were you able to explore through these experiments?
* Were the experiments able to provide you more information than just looking at or touching the materials?
* What are some of the pros and cons of each fabric in terms of its properties, but also from an economic and sustainability viewpoint?

**Lab handout needed?**

Yes