Breathability Testing of Waterproof Breathable Fabrics

The Challenge:

Waterproof breathable fabrics prevent the penetration of liquid water yet still allow water vapor to pass through them. The application of these fabrics ranges from the well-known outdoor activewear to specialized medical and military uses. In order to prevent liquid water penetration, fabric treatments such as finishes, coatings and film membranes are always applied; however, these treatments may inhibit the evaporation of sweat form the body surface and its transport through the fabric, which may cause discomfort and physiological strain to the wearer. Therefore, breathability is one of the essential properties to be tested for waterproof fabrics.

The Solution:

Intertek is a leading provider of quality and safety solutions serving a wide range of industries across the world. We provide a comprehensive testing service on breathability test of fabrics according to different standards including ASTM, ISO, EN, JIS, BS, GB, etc. We go beyond just testing, but also perform numerous research works to better serve our valued customers and help them improve the quality of their products. We have conducted an in-depth research into the breathability testing, and it is found that there is strong correlation between test results from different methods. This helps us better understand the test results from different standard test methods and provides a reference to set quality protocols of waterproof breathable fabrics for different marketplaces.

Should you have any enquires on the above information, please contact Ms Canners Wong at Tel: (852) 2173-8236 or Email: canners.wong@intertek.com / Ms Iris Lai at Tel: (852) 2173-8239 or Email: iris.lai@intertek.com