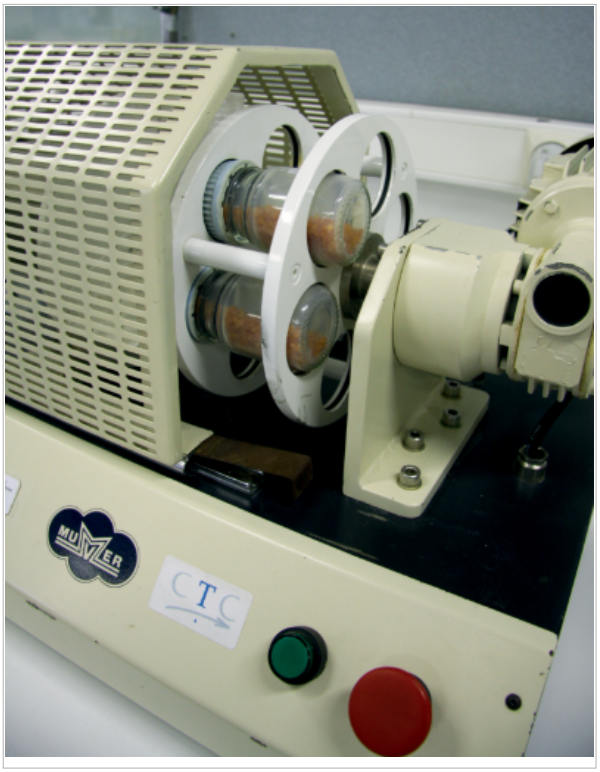
Determining the water vapour permeability of leathers

Objective

The test quantifies the perspiration of the glove material by evaluating the quantity of water vapour transmission.



Principle

A sample of the material is used as a stopper on a bottle containing a hygroscopic product. The bottle is submitted to a continuous swirling in front of a air-conditioned flow. The sample is weighted before and after the test. The only possible rise in mass corresponds to the quantity of water vapour that broke through the sample.
The result corresponds to the transmission stated in mg/(cm2.h)*.

* Milligrammes per (cm2 per hour).

Type: Physical and mechanical test
Standard: EN ISO 21420 §5.3.1
Product: Gloves
Criteria: PEE

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