WIRA INSTRUMENTATION Crumple Flex Tester

Fast and accurate results

Tests resistance to water after degradation caused by flexing.

The Crumple Flex Test Machine reproduces the wear of coated technical fabrics. During normal use, these fabrics are subjected to twisting and flexing and it is important that the critical properties of the fabrics, such as water resistance, are not degraded.

The Crumple Flex Test Machine uses a rotating and crumpling motion to test the extent to which a sample is resistant to water after degradation caused by flexing. Tubes of sample fabric are easily secured and removed from the tester heads with circular clamps. Complete with electronic counter and auto stop when the preset total is reached.

Test Method

A sample of fabric 220mm x 190mm is stitched to create a tube. The clamp heads are taken out of the machine and placed into a special mounting jig and the cylinder of fabric is secured to the heads. The sample is then transferred to the test machine. During operation, one head is twisted by 87° and the other head moves forwards and backwards.

A perspex cover allows the sample to be viewed during the test and an electronic counter will stop the test after a preset number of flexes. The sample is then removed and tested for water resistance or other properties.

The Crumple Flex Test Machine can test four samples together.

Dimensions: 400mm (H) x 520mm (W) x 270mm (D)
Weight: 52 kgs
Power Consumption: 200W

Standards:
BS 3424-9, ISO 7854: 1995

Order Code CRF:001

WIRA INSTRUMENTATION
Tested to be Trusted

For further info call:
+44 (0) 1274 733145
Email: sales@wira.com or visit: www.wira.com

Wira Instrumentation Ltd, Unit 6, Great Russell Court, Fieldhead Business Centre, Bradford, BD7 1JZ, United Kingdom