



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD..  
ADD: ROOM 1204#, BUILDING (SECTION) B, SHANGCHENG DALU, NO.9  
TIAN YUAN ROAD, HI-TECH DISTRICT, HEFEI, CHINA  
POSTAL CODE: 230088  
TEL: +86-551-68105003  
FAX: +86-551-65232507

## DW1441 ASTM-D1693 Environmental Stress Cracking Tester



### Model No.

**DW1441**

### Application:

**DW1441 Environmental Stress Crack Resistance Test Apparatus for Geomembrane** is used to evaluate the stress crack resistance of polyolefin geomembranes by notched constant tensile load test. It is mainly applicable to the geomembranes used on the landfill site. Dumbbell shaped notched test specimens from a polyolefin sheet are subjected to a constant tensile load in the present of a surface-active agent and at an elevated temperature. The time to failure of test specimens is recorded and the results of a series of such tests conducted at different stress levels are presented by plotting stress level against failure time for each



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD..
ADD: ROOM 1204#, BUILDING (SECTION) B, SHANGCHENG DALU, NO.9
TIAN YUAN ROAD, HI-TECH DISTRICT, HEFEI, CHINA
POSTAL CODE: 230088
TEL: +86-551-68105003
FAX: +86-551-65232507

stress level on a log-log axis.

Related Standards:

Table with 3 columns: STANDARDS, ASTM D5397, CJ/T 234 附 C

Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

Key Specification:

- Max. load of each leverage <= 10kg
Leverage ratio 1:3
Thickness range of geomembranes to measure 0.75~3mm
Number of working position 30,
Temperature range Room temperature~70C
Temperature control mode PID automatic control
Temperature accuracy +/- 1C
Time accuracy 1s
Display mode Touch panel
Inner dimensions of chamber 1200x150x300mm (LxWxH)

Standard configuration:

Table with 3 columns: No., Item, Quantity. Row 1: 1, Main machine, 1 set