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FANYUAN INSTRUMENT (HF) CO., LTD..
ADD: ROOM 1204#, BUILDING (SECTION) B, SHANGCHENG DALU, NO.9
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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



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stress level on a log-log axis.

Related Standards:

| | | |
|-----------|------------|--------------|
| 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 $\leq 10\text{kg}$
- Leverage ratio 1:3
- Thickness range of geomembranes to measure 0.75~3mm
- Number of working position 30,
- Temperature range Room temperature~70°C
- Temperature control mode PID automatic control
- Temperature accuracy $\pm 1^\circ\text{C}$
- Time accuracy 1s
- Display mode Touch panel
- Inner dimensions of chamber 1200×150×300mm (L×W×H)

Standard configuration:

| No. | Item | Quantity |
|-----|--------------|----------|
| 1 | Main machine | 1 set |
| | | |