



EY60 MMTest

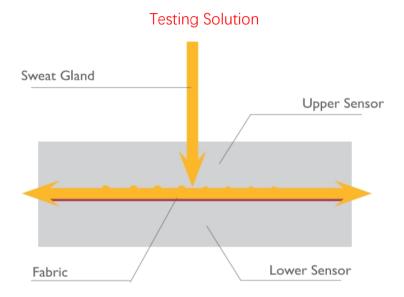
Moisture Management Tester

An Innovative Instrument for Innovative Fa

while performance fabrics require the typical standard tests of ather fabrics, they also require an extra level of specialized testing to assure their engineered properties.

The MMTest(Moisture Management Tester) provides this by measuring, evaluating, and classifying liquid management properties of fabrics.

AATCC Test Method 195 and GB 21655.2 were developed based on the MMTest.

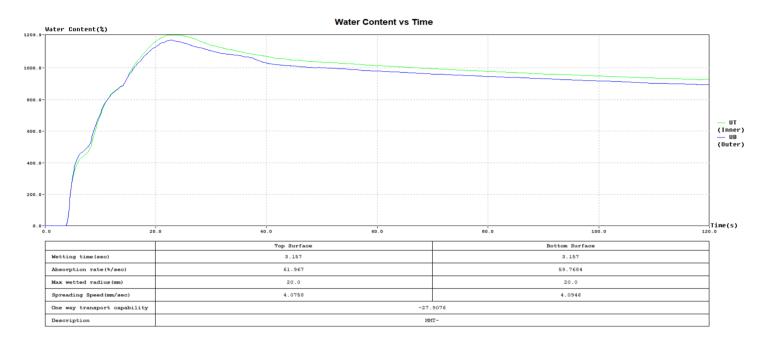


To measure the dynamic liquid transport properties, a sample is placed horizontally in the instrument between the upper and lower sensors These sensors are made of concentric rings of pins. A solution, representing perspiration, is dropped on the center of the upper facing (skin side) of the test sample. As the solution moves through and across the sample, the changes in electrical resistance are measured and recorded.

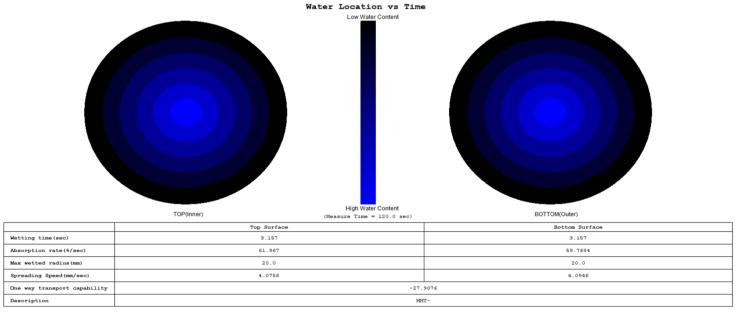


When saltwater drips into the fabric, it diffuses through the fabric, The probes of adjacent two rings can quickly detect changes in the resistance value of the fabric, Send resistance value data to computer analysis software, which calculates the test results and reports we need, The entire testing process takes 2 minutes.

Multiple types of test reports



Water Content vs Time Chart, It can be observed that there is a difference in diffusion between the inner surface (Tom) and the outer surface (Bottom) of the fabric.



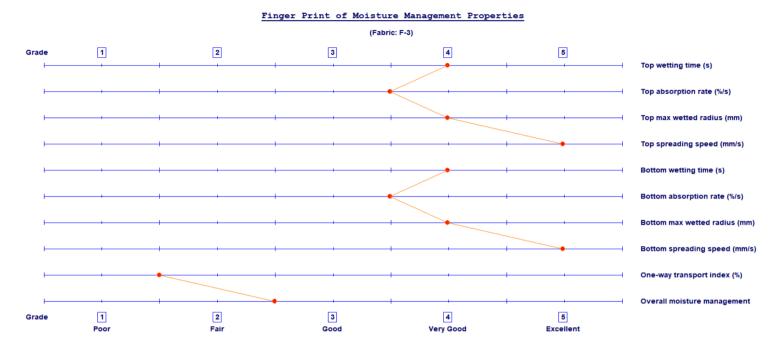
Water Location vs Time, Use images to represent the location of water diffusion, with lighter colors indicating water content. You can click to play and simulate the dynamic process of water diffusion

MMTest can Producing the following data:

Wetting Time for top and bottom surfaces
Max Wetted Radius for top and bottom surfaces
Accumulative One-Way Transport Capability

Absorption Rate for top and bottom surfaces Spreading Speed for top and bottom surfaces Overall Moisture Management

Grade and List reports



The test results can be graded according to each piece of fabric, or based on the average value. The grading standard can be AATCC or GB, and the grading results can help customers understand the fabric grade in a simple way.

	WULL-WESSCHEIRER FIOLITE									
	Wetting Time	Wetting Time	Тор	Bottom	Top Max	Bottom Max	Тор	Bottom	Accumulative	
	Top(sec)	Bottom(sec)	Absorption	Absorption	Wetted Radius	Wetted Radius	Spreading Speed	Spreading Speed	one-way transport	OMMC
			Rate(%/sec)	Rate(%/sec)	(mm)	(mm)	(mm/sec)	(mm/sec)	index(%)	
/ F-1	3.312	3.406	63.7016	63.1588	20.0	20.0	3.928	3.8564	-52.5877	0.3857
F-2	3.157	3.157	63.0558	61.0079	20.0	20.0	4.0428	4.0685	-21.9623	0.4228
/ F-3	3.157	3.157	61.967	59.7684	20.0	20.0	4.0758	4.0948	-27.9076	0.4128
/ F-4	3.157	3.313	62.3883	60.3554	20.0	20.0	4.0276	3.9541	-45.0939	0.3915
/ F-5	3.234	3.234	61.8467	58.4361	20.0	20.0	4.0922	4.092	-63.1493	0.3845
/ F-6	3.235	3.313	61.2628	59.4822	20.0	20.0	3.9592	3.979	-36.8455	0.4003
/ F-7	3.235	3.079	59.8697	58.4783	25.0	25.0	4.0338	4.1259	-25.0938	0.4123
F-8	3.157	3.235	58.9248	57.4458	25.0	20.0	4.2331	4.01	-33.7083	0.3999
F-9	3.079	3.079	59.5819	56.2177	20.0	20.0	4.2583	4.2105	-42.2673	0.387
F-10	3.313	3.407	61.561	57.6564	20.0	20.0	3.9872	3.9232	-55.5963	0.376
F-11	3.158	3.235	57.8627	58.1572	20.0	20.0	4.0859	4.0022	-44.8218	0.3895
F-12	3.078	3.157	58.6472	57.9422	25.0	20.0	4.3555	4.0864	-41.5187	0.3926
lean	3.1892	3.231	60.8891	59.0089	21.25	20.4167	4.09	4.0336	-40.8794	0.3963
.Deviation	0.0777	0.1119	1.8663	1.8676	2.2613	1.4434	0.1289	0.0979	12.5346	0.0138
/	0.0244	0.0346	0.0307	0.0316	0.1084	0.0707	0.0315	0.0243	0.3066	0.0348
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Multi-Measurement Profile

All test results are displayed in the test result list, which can be printed or saved to an Excel file.

MMTest can identify 7 types of fabrics

Waterproof fabric

Water repellent fabric

Slow absorbing and slow drying fabric

Fast absorbing and slow drying fabric Water penetration fabric

Fast absorbing and quick drying fabric

Water penetration fabric

Moisture management fabric

Instrument features

MMTest aluminum alloy oxide shell is more durable, with an open design that makes it convenient for users to place samples. There is no size requirement, you can test samples of 8cm * 8cm, and you can also test samples with a maximum size of 100cm * 20cm. The sensor has a magnetic suction structure, which is easy to remove for cleaning and maintenance.

Choose a stepper motor with adjustable speed for the pump fluid, The pump volume can be adjusted by the user to meet standard requirements, The operation panel is designed with a pump IN button, The liquid in the pipeline can be sucked into the tank to prevent salt from crystallizing in the pipeline.

The instrument has a self check function, which automatically checks whether the liquid has dripped onto the sensor. If the yellow error light flashes, Indicates the need to remove the tested fabric Indicates the need to remove the tested fabric or clean the test sensor.

Standards

AATCC 195-2017 GB/T21655.2-2019

Product Specifications

Size (Widthx Depth xHeight)	280mm×420mm×420mm					
Weight	26kg					
Interface	WiFi					
Power Supply	AC110V~220V 60/50Hz 1A					
Operation Temp & RH	18°C to 29°C.80% maximum (non-ccndensing)					
Pump On Time	20s					
Pump Volume	0.22g Can be adjusted					
Test Solution	Conductivity16 ms +/- 0.2 ms					

Applications

Quality control in fabric and garment manufacturing Research and development of new functional fabrics and garments Ranking of apparel fabrics by comfort factors related to moisture management Classification of fabrics according to dynamic liquid transport properties

Standard Accessories

MMTest Conductivity Meter Spare Silicon Tube MMTest Software

Contact Us



云南易立仪器有限公司 EYTEST LIMITED TEL:13925215865 Website: www.eytest.com weChat: 13925215865 E-mail: jack@eytest.com