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## Martindale Wear Tester L-MDDE

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Martindale wear-resisting instrument L-MDDE1. Application of Martindale wear tester XM - MDDE martindale abrasion tester method is refers to the martindale method based on standard system and its relati

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## Martindale wear-resisting instrument

### L-MDDE



### 1. Application of Martindale wear tester

XM - MDDE martindale abrasion tester method is refers to the martindale method based on standard system and its relationship to test the textile products, and through the experiment to

test the wear-resisting properties of fabric, and the wear-resisting performance is the important index of textile product quality, which directly affect the durability of the product and use effect, wear-resisting refers to fabric or with other substances in the process of rubbing, abrasion resistance properties. And the machine used for fabric abrasion test, namely martindale abrasion tester.

## **2. Martindale wear tester standard**

Xm-mdde Martindale wear tester standards: ISO5470, BS3424, BS5690, ISO12945, ISO12947, JIS L1096, IWSTM112, IWSTM196, ASTM4966, ASTM4970, GB/T4802, GB/T13775, GB/T21196

## **3. Parameters of Martindale wear tester**

Number of seats: 4 /6.

Counter control, 0-999900 times can be set, automatic stop after measurement.

Gripper: 200±1g

Weight of garment sample: 395±2g

Sample weight for furniture decoration: 594± 2G

Stainless steel disc: 260±1g

Effective friction diameter of grinding block: Type A, 200g(1.96n) frictional head,  $\phi$  28.8-0.084mm/type B, 155G (1.52n) frictional head,  $\phi$  90-0.10mm

Relative motion speed of gripper and grinding table: 50-2r/min

Quality of sample loading hammer: 2385±10g

Weight: 80 kg.

#### **4. Application method of Martindale wear tester**

1. The samples should be kept in the laboratory environment for more than 8 hours;
2. Cut a sample at the flat part of the sample. If it is an insole, it should be cut to the transfer part;
3. Remove the load and the load shaft from the test machine;
4. Remove the top plate and test fixture;
5. Sample device: Loosen the fixing ring on the test fixture, take the sample pressure piece, put the sample into the test fixture base, pad a sample gasket between the sample and the test fixture base, then place the sample pressure piece on the sample gasket and fix it with the fixing ring;
6. Installation of wool felt and friction cloth: loosen the fixing screw to fix the ring, put wool felt on the base and then spread the friction cloth, put a 2.5kg pressure plate on the positive medium pressure of the friction cloth, then install the fixing ring and lock the fixing screw;
7. Install it back into the top plate and push the load bearing shaft (12KPA) through the round hole of the top plate;
8. Place the test fixture with the sample face down on the base fixture, adjust the circular groove of the test fixture to align with the load shaft rod, and make the load shaft rod insert into the circular groove of the test fixture;
9. According to the standard setting times, start the switch and start the test. After reaching the set times, the machine will stop automatically.

#### **Recommended**



Automatic tool metallographic measuring instrument V400



Automatic tool metallographic measuring instrument V800

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Automatic tool metallographic measuring instrument V1800

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Automatic tool metallographic measuring instrument V2000

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