



TF210 Martindale Abrasion Tester

Martindale Abrasion & Pilling Tester. To determine the abrasion and pilling resistance of all kinds of textile structures. Samples are rubbed against known abrasives at low pressures and in continuously changing directions. The amount of abrasion or pilling is compared against standard parameters.

The unique design of our Martindale abrasion tester allows removal of individual sample holders for examination without lifting the top motion plate. It provides individual counters and parking function, interval time settable and a large touch-screen display.

Specifications

Drive system is PLC, programmable control with large touch-screen

Abrasion test:

- Max stroke of movement: 60.5 +/- 0.5mm
- Weight of holder and spindle 200 +/- 1g

Pilling test:

- Max stroke of movement: 24 +/- 0.5mm
- Weight of holder and spindle 155 +/- 1g

Included Accessories (1 for each station)

- **Abrasion test (To ISO 12947-1)**
 - Mounting weight (2.5+/-0.5 kg, for both abrasion and pilling test)
 - Abrasion tester holders (Dia. 38 mm)
 - Loading Weights (395+/-7g)
 - Loading Weights (595+/-7g)
- **Pilling Test (To ISO 12945-2)**
 - Linear adaptor. To convert to straight-line motion
 - Sample Retaining Rings for pilling test
 - Pilling test holders (Dia. 90 mm)
 - Loading Weights (260+/-1 g) Elastomeric Friction Pad and Base Pad
- Auxiliary device for specimen
- 1 Drawing pen
- 1 set of abradent fabric, wool felt, backing foam for each work station



Optional orders

- Specimen Cutter. (Dia. 38mm) with cutting mat and spare blades.
- Abrasive Fabric & Backing Felt Cutter. (Dia. 140mm) with cutting mat and spare blades.
- Standard Wool Abrasive Fabric SM25. 1.6M wide x 5M length – For abrasion test and pilling test(when automatic)
- Standard Backing Foam. Width 1.5M, Length 0.5M.
- Standard Backing Wool Felt Piece (woven) 1m x 1.5m.
- EMPA Photographic Standards for Pilling Test (3 x 4 knitted)
- EMPA Photographic Standards for Pilling Test (3 x 4 woven)
- SM 50 Photographs for Pilling Test IWS + ASTM.

Power 220 /110 V 50/60 Hz

Weight 155 Kg

Dimensions 400 x 920 x 1200 mm (L x W x H)