

TF210 Martindale Abrasion & Pilling Tester

Martindale Abrasion & Pilling Tester, is 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.

The Martindale abrasion tester is available with 4, 6, 8 or 9 test positions.

Specifications

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

Abrasion test

Max stroke of movement 60.5+/-0.5 mm

Weight of holder and spindle 200+/- 1g

Pilling test

Max stroke of movement 24+/-0.5 mm

Weight of holder and spindle 155+/-1 g

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)

1 Auxiliary device for specimen

1 Drawing pen

1 set of abradent fabric, wool felt, backing foam for each work station

Standards

EN ISO 12945-2/12947-1/12947-2/12947-3/12947-4, ISO 20344, ASTM 4966/4970, BS EN 388/530, BS 3424/5690, JIS L1096, DIN 53863/53865, GB/T 13775, SATRA TM31, IS 12673, IWSTM 112/196, IWTO 40-88, SFS 4328, NEXT 16, GMW15651, ISO 5470-2, M&S 17 / 19 / 19C, Next 18/18a/18b, GB/T 4802.2/21196-1/21196-2, Wool Mark TM 112/196



Optional orders

Specimen Cutter. (Dia. 38 mm)

Abrasive Fabric & Backing Felt Cutter. (Dia. 140 mm)

Standard Wool Abrasive Fabric (5 m/pack)

Standard Backing Foam

Standard Wool Felt pads 90 mm

Standard Wool Felt pads 140 mm

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 118 kg, 139 kg, 151 kg, 160 kg

Dimensions

A: 790 x 650 x 600 mm (L x W x H)

B: 1040 x 760 x 690 mm

C: 1040 x 760 x 690 mm

D: 1040 x 760 x 690 mm

TF513A/C/D Circular Sample Cutter

Application

Fabric Circular Sample Cutter / GSM Cutter. The circular sample cutter cuts fabric sample in various dimension, such as 100 cm² for GSM, Dia. 140 mm for Martindale test, etc. Cut accurate fabric circular samples with smooth edges by drawing action even difficult materials such as fabric, thin films, tissue paper, and corrugated cardboard and synthetic leather can be cut by the sample cutter conveniently.

The cutting pad is made of porous rubber, which allows the sample cutter to cut into the base with complete safety.

Models

- TF513A Circular Sample Cutter -- Dia. 113 mm / 100 cm² --For European Fabric Yield System
- TF513C Circular Sample Cutter -- Dia. 38 mm / 12 cm² -- For Martindale Abrasion and Pilling Tester
- TF513D Circular Sample Cutter Dia. 140 mm / 154 cm² --For Martindale Abrasion and Pilling tester

Weight A: 3 kg, C: 1 kg

Dimensions A: 175 x 170 x 130 mm (L x W x H)

C: 115 x 110 x 150 mm (L x W x H)



TF513A



TF513C