

# Martindale M235 Abrasion & Pilling Tester

To determine the abrasion and pilling resistance of all kinds of textile structures. Samples are rubbed against known abrasants at low pressures and in continuously changing directions and the amount of abrasion or pilling is compared against standard parameters. The unique design allows removal of individual sample holders for examination without lifting the top motion plate. Provided with unique programmer which includes preprogrammable batch and totaliser counters, individual station counters, 4 position parking function, 4 selectable test speeds with liquid crystal display. Standard sample holders and 9 and 12kpa weights are included. For other configurations and supplies, see below. Available with 4,6,8 or 9 test positions and enhancement kits to convert 6 position tester to 7, 8 or 9 positions, 8 position tester to 9 positions.

- Test Specimen Cutter. (38mm diameter/12cm<sup>2</sup>) with cutting mat and 12 spare blades.
- Abradent Fabric & Backing Felt Cutter. (140mm diameter/154cm<sup>2</sup>) with cutting mat and 12 spare blades.
- Linear adaptor. To convert to straight-line motion.
- Standard Abradent Fabric SM25. 1.6M wide x 5M length.
- Upholstery Abradent Fabric SM25 BUP. 1.6M wide x 5M length.
- Standard Backing Foam. Width 1.5M, Length 0.5M. Pack of 4.
- Standard Backing Felt Discs (woven) - 140mm diameter. (Pack of 20).
- BS 5690/1991 + PR, EN, ISO 12947 - 1,750 ± 50gm/m<sup>2</sup> x approx. 2.5mm thick.
- Standard Backing Felt Piece (woven) - 1m x 1.5m.
- BS 5690/1988 + M & Suppliers, 750+/-gm/m<sup>2</sup> x 3 ± 0.5mm thick.
- Standard Backing Felt Discs, 90mm diameter for Pilling Test (Pack of 20).
- Sample Retaining Rings for pilling test (Pack of 20).
- 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. 4 Sets 1-5 (Plain, Twill A, Twill B, Blanket).
- Standard Abrasing Sheets Type F2 (230 x 280mm) for abrasion test on protective gloves (Pack of 50).
- Silicon Carbide Cloth Sheets (P180G) 230 x 280mm for abrasion test on coated fabrics (Pack of 25).
- Sock Abrasion Attachment Complete (per position).
- Trizact synthetic abrasion discs - 35 microns (pack of 25).
- Trizact synthetic abrasion discs - 5 microns (pack of 25).

Specifications	M235
Weight	120 kg
Dimensions	740 x 600 x 350 mm (WxDxH)
Standards	ISO 12947-2/12947-1/12945-2/20344/5470-2/12947-2, ASTM D4966/D4970, BS 3424, IWSTM 112/196, WTO 40, EN 388/530/13770/388, GB 4802.2/13775/13775/21196-1/GB 21196-2.M&S P19A/P19B/P19C/P140,P18C/P19/P17/P18C/P19A/P19B/P18C/P140/P19C/P17, SN 198525, NEXT 18B /18A/18/18B, JIS L1096



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- Available with 4,6,8 or 9 test positions and enhancement kits to convert 6 position tester to 7, 8 or 9 positions, 8 position tester to 9 positions.
- 4 position parking function, 4 selectable test speeds with liquid crystal display.
- Provides individual counters and parking function, interval time settable, large touchscreen display, Standard sample holders and 9 and 12kpa Weights.