



***digipILL Nx ⇔ (4 – Stations)
 (Digital Pilling Tester)***

INTRODUCTION

Pilling is a fabric surface phenomenon characterized by little balls formed by entangled fibers clinging to the surface. These are formed during wearing or washing by the entanglement of the loose fibers, which protrude from the fabric surface, and development of these into spherical bundles anchored to the fabric by a few unbroken fibers. These give a very unsightly look to the garments. To determine the tendency to form pills, test specimens taken from the fabric sample are rubbed against each other under controlled conditions. The appearance of the test specimen, after rubbing for the specified period, is compared against standard rating photographs (Woven pilling photographs and knitted pilling photographs) for grading the fabric. Paramount **digipILL Nx⇔ (4 Stations)** is Specially designed equipment to access resistance to pilling of any type of fabrics as per ICI pilling system.

EQUIPMENT

Paramount **digipILL Nx⇔ (4 Stations)** is completely made of metal body duly powder coated. Microprocessor based controller with non-volatile memory. Four standard size wooden boxes with standard cork lining are provided as per International Standard. Specially designed sixteen standard pilling tubes are supplied for mounting specimens.

SALIENT FEATURES

- Specially designed equipment to access resistance to pilling of any type of fabrics as per ICI pilling system.
- Four Pilling Stations for better efficiency of work.
- Microprocessor based controller with latest aesthetics.
- 3.2mm Standard cork lining inside the boxes for proper pilling action.
- Specially designed standard size boxes meet the standard specifications.
- Complete with all accessories-pilling tube, template etc.
- Supplied with Inspection & Calibration Certificates.

digipILL Nx⇔ (4- Stations) is supplied complete with below accessories.

Main Unit	: 01 No.
Specimen Mounting Jig (For Reversing the specimen prepared)	: 01 No.
Specimen Insertion Tool (For fixing the fabric on the tubes)	: 01 No.
Standard Pilling Tubes (For testing the specimens)	: 16 Nos.
Fine Cutting Scissor	: 01 No.
Pilling Specimen Template (For marking on the specimen)	: 01 No.
Marking Pen (For Marking with the specimen template)	: 01 No.
Standard Width Tape Roll	: 01 No.
Mains Lead with Plug	: 01 No.
This User's Manual	: 01 No.
Calibration Certificate (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificate	: 01 No.



TECHNICAL DETAILS

Size of Wooden Boxes Inside (Before Cork Lining) :	235 x 235 x 235 mm (As Per Standards)
Thickness of Cork Lining	: 3.2 mm (As Per Standards)
Speed of Rotation of Boxes	: 60 R.P.M. (± 2 rpm.) (As Per Standards)
Size of Test Specimen	: (125 · 125) mm
Size of Rubber Tubes	: Length 140 mm + 1 mm (As Per Standards)
	: Diameter 31.5 mm + 1 mm
	: Wall Thickness 3.2 mm + 0.5 mm
	: Weight 52.25 gms. + 1 gm
Motor	: 1/8 H.P. Single Phase GEARED
	MOTOR 220V AC
Digital Counter (Preset Type)	: 0 – 99999 / L.C – 1.

RELATED STANDARDS

ISO 12945 - 1: 2000

REFERENCE STANDARDS

BS	5811
IWSTM	152



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