

RANDOM TUMBLE PILLING TESTER

TYPE RAN-2-B AND RAN-4-B

GENERAL DESCRIPTION

Laboratory random tumble pilling tester with four chambers lined internally with cork sheets, provided with timer. Removable cork sheets for each trial.

Optional: removable chloroprene sheets, depending on norm.

Each chamber has an axis with impellers as well as air injection according to norm to keep the samples moving. Impellers on axis can be used parallel or "in cross" to attend some automotive industry trials.

Random tumble pilling tester to check pills on textile samples due to physical friction in cork chambers, according to ASTM D 3512-99a norm, and JIS L1076 1992 method D norm.

Random pilling tester available also with two chambers: type RAN-2-B.



impellers "in cross"



TECHNICAL DATA - TYPE RAN-2-B**RAN-4-B**

	RAN-2-B	RAN-4-B
Number of chambers	2	4
Number of samples	12 (3 in each compartment)	12 (3 in each compartment)
Impeller rotation speed	1200 rpm	1200 rpm
Timer	up to 99 min and 59 s	up to 99 min and 59 s
Compressed air injection	14 - 21 kPa (2 - 3 Psi)	14 - 21 kPa (2 - 3 Psi)
Power	0,5 kW	0,5 kW
Dimensions	W 46 x L 37 x H 52 cm	W 46 x L 37 x H 52 cm
Weight	43 kg	43 kg

ADDITIONAL INFORMATION

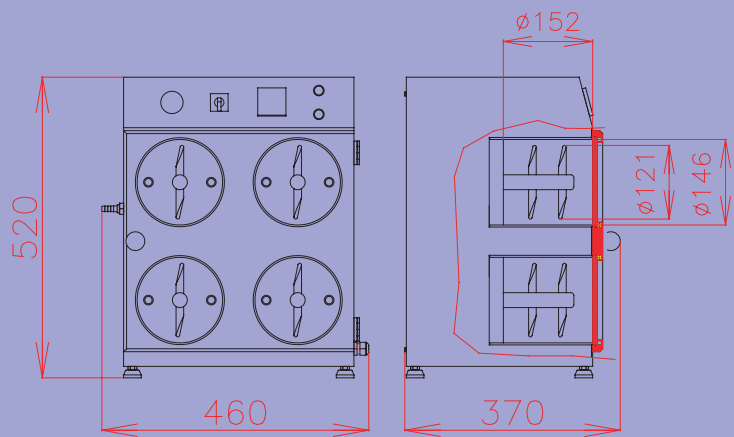
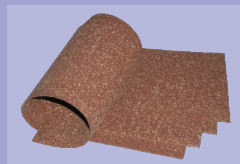
The textile samples are kept (dry) in the cork lined chambers. Rotating impellers made of stainless steel inside each chamber keep samples moving inside the chambers, causing abrasion on its surface.

Beside the impellers there is a normalized air pressure injection to increase the movement of the samples.

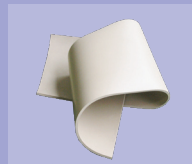
Equipment used to analyze the formation of pills due to abrasion caused by random pilling as well as eventual damages on textile sample surface.

Time of each test is programmable. Alarm indicates end of the test.

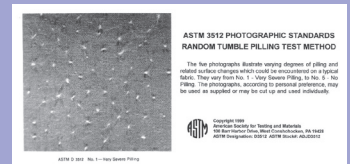
Equipment needs compressed air.

**Accessories:**

40 cork liners
150mm x 450mm
x 1,5mm



12 chloroprene sheets
151mm x 451mm
x 3mm



set of 5 photographic
standards ASTM 3512

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