



Report nr.

1501655-002

TEST

M.U.

RESULTS

**14323-ar PROPENSITY TO SURFACE PILLING
(Martindale)**

Method: UNI EN ISO 12945-2/02

Instrument: Abrasion Tester Martindale J.Heal - NU - 406

Number of observers: 02

EXPLANATORY NOTE OF THE RESULTS

Grade 5: no change

Grade 4: slight surface fuzzing and/or partially formed pills

Grade 3: moderate surface fuzzing and/or moderate pilling. Pills of varying size and density partially covering the specimen surface

Grade 2: distinct surface fuzzing and/or distinct pilling. Pills of varying size and density covering a large proportion of the specimens surface.

Grade 1: dense surface fuzzing and/or severe pilling. Pills of varying size and density covering the whole of the specimen surface.

Date of test:

09-03-2015

Pretreatment carried out

NO ONE

Change at 500 revs.

grade

4-5

Change at 1000 revs.

grade

4-5

Change at 2000 revs.

grade

4-5

Change at 5000 revs.

grade

4

The final grade above refers to pilling and fuzzing.

Number of specimens:

nr.

3

Abradent:

Abradant wool

Load applied:

g

415

Deviation from procedure

-

**14063 RESISTANCE TO ABRASION (Martindale) -
DETERMINATION OF SPECIMEN BREAKDOWN**

Method: UNI EN ISO 12947-2:2000 + EC 1-2010

Instrument: Abrasion Tester Martindale J.Heal - 103

SPECIMEN BREAKDOWN

Specimen breakdown is reached when:

- in woven fabric, when two separate threads are completely broken;
- in knitted fabric, when one thread is broken causing a hole;
- in pile fabric, when the pile is fully worn off;
- in nonwoven fabric, when the first hole is of a diameter at least equal to 0,5 mm.

Date of test:

13/3/2015

Pretreatment carried out

No one

First specimen: cycles to end point

cycles

>50000

Second specimen: cycles to end point

cycles

>50000

Third specimen: cycles to end point

cycles

>50000

Average

cycles

>50000

Confidence limits

-

Load applied

kPa

12

Change in colour at the end point (when stated)

grade

N.D.

Pilling occurred

cycles

-

Deviation from procedure

-

Enclosed:

nr.

1