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Report nr.

1501655-003

**TEST** 

M.U.

g

**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: 10-03-2015 Pretreatment carried out NO ONE Change at 500 revs. 4 grade 4 Change at 1000 revs. grade Change at 2000 revs. 4 grade Change at 5000 revs. grade The final grade above refers to pilling and fuzzing. Number of specimens: nr. Abradant wool Abradent: Load applied: 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.

in normover labrie, when the hist hole is of a diameter at least equal to 0,5 min.		
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	2/3
Pilling occured	cycles	( <b>#</b> ):
Deviation from procedure		**
Enclosed:	nr.	1