

SilverPro Dryer Sheet vs. Bounce Free Dryer Sheet

PURPOSE OF THE STUDY

It is widely known that dryer sheets are used to reduce or eliminate clothes static after laundering and drying in a machine dryer. This study is to compare the static control efficacy between a typical, disposable dryer sheet that uses chemicals (Bounce Free) and a similar size reusable sheet of an electrically conductive fabric (SilverPro) using the conductive Corona Effect

ENVIRONMENTAL CONCERNS

The very high majority of today's disposable dryer sheets use cationic softeners to neutralize the static generated as the cloth garments rub against each other thereby coating the fabrics with its chemicals. Many consumers are unaware of the harmful chemicals these sheets contain, which pollute the air and our bodies, while contaminating landfills for close to 100 years before decaying.

The reusable SilverPro sheet eliminates static by conducting the generated static and releasing it into the air (called the Corona Effect). Since there are no chemicals in or on the SilverPro sheet, the laundry is not chemically coated after drying.

STUDY CONTROLS

A control wash load was performed in a gas dryer without the use of the Bounce or SilverPro dryer sheets, and the results showed it took longer than 10-minutes to eliminate the static in the dryer load.

STUDY TEST

Two identical loads were laundered and dried, one using a Bounce Free dryer sheet and one using a SilverPro dryer sheet. The results between the two were identical with both loads exhibiting no static at the end of each drying cycle.

STUDY CONCLUSION

The disposable Bounce Free sheet used chemicals to effectively dissipate the dryer static. The reusable SilverPro sheet eliminated the static by using the Corona Effect, without the use or need of any chemicals.

Third Party Test Report

DATE: June 23, 2022

FILE: AGECOR.A032822A1

CLIENT: AGE Corporation
7X Enterprises LLC
270 Arthur Avenue
Englewood Cliffs, NJ 97632

ATTN: Arthur Goldberg

SAMPLE IDENTIFIED BY CLIENT AS:

Dryer Sheets Submitted
Sample #1: Bounce Dryer Sheets
Sample #2: SilverPro Dryer Cloths
Color Off White & Black W/Gold

TEST PROCEDURE:

TEST RESULTS:

ELECTROSTATIC CLINGING OF FABRICS:

FABRIC-TO-METAL TEST (AATCC 115):

CONDITIONS: 80.3°F, 33.7% Rh:

- AFTER 1 CYCLE PER AATCC 135, MWC TDM, USING TIDE FREE & GENTLE DETERGENT (NO SOFTENER), KENMORE GAS DRYER:
- CONTROL SAMPLE (WOOL FABRIC):

SPECIMEN	LENGTH DIRECTION	
	TIME TO DECLING RUBBING FABRIC (min)	
	NYLON	POLYESTER
1	>10	>10
2	>10	>10
3	>10	>10
AVG	>10	>10

SPECIMEN	WIDTH DIRECTION	
	TIME TO DECLING RUBBING FABRIC (min)	
	NYLON	POLYESTER
1	>10	>10
2	>10	>10
3	>10	>10
AVG	>10	>10

AVG TIME: Time required for wool dummy load specimen to lose electrostatic charge when tested immediately after removal from dryer.

- AFTER 1 CYCLE PER AATCC 135, MWC TDM, USING TIDE FREE & GENTLE DETERGENT (BOUNCE DRYER SHEETS), ACCU DRY ELECTRIC DRYER:

SPECIMEN	LENGTH DIRECTION	
	TIME TO DECLING RUBBING FABRIC (min)	
	NYLON	POLYESTER
1	0*	0*
2	0*	0*
3	0*	0*
AVG	0*	0*

SPECIMEN	WIDTH DIRECTION	
	TIME TO DECLING RUBBING FABRIC (min)	
	NYLON	POLYESTER
1	0*	0*
2	0*	0*
3	0*	0*
AVG	0*	0*

* - Does not cling.

AVG TIME: Time required for wool dummy load specimen to lose electrostatic charge when tested immediately after removal from dryer.

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Dryer Sheets Submitted
Sample #1: Bounce Dryer Sheets
Sample #2: SilverPro Dryer Cloths
Color Off White & Black W/Gold

ELECTROSTATIC CLINGING OF FABRICS:

FABRIC-TO-METAL TEST (AATCC 115), CONT'D:

CONDITIONS: 80.3°F, 33.7% Rh:

- AFTER 1 CYCLE PER AATCC 135, MWC TDM, USING TIDE FREE & GENTLE DETERGENT (BOUNCE DRYER SHEETS), KENMORE GAS DRYER:

SPECIMEN	LENGTH DIRECTION	
	TIME TO DECLING RUBBING FABRIC (min)	
	NYLON	POLYESTER
1	0*	0*
2	0*	0*
3	0*	0*
AVG	0*	0*

SPECIMEN	WIDTH DIRECTION	
	TIME TO DECLING RUBBING FABRIC (min)	
	NYLON	POLYESTER
1	0*	0*
2	0*	0*
3	0*	0*
AVG	0*	0*

* - Does not cling.

AVG TIME: Time required for wool dummy load specimen to lose electrostatic charge when tested immediately after removal from dryer.

- AFTER 1 CYCLE PER AATCC 135, MWC TDM, USING TIDE FREE & GENTLE DETERGENT (AGECOR DRYER SHEETS), ACCU DRY ELECTRIC DRYER:

SPECIMEN	LENGTH DIRECTION	
	TIME TO DECLING RUBBING FABRIC (min)	
	NYLON	POLYESTER
1	0	0
2	0	0
3	0	0
AVG	0	0

SPECIMEN	WIDTH DIRECTION	
	TIME TO DECLING RUBBING FABRIC (min)	
	NYLON	POLYESTER
1	0	0
2	0	0
3	0	0
AVG	0	0

NOTE: Partial clinging observed during testing.

AVG TIME: Time required for wool dummy load specimen to lose electrostatic charge when tested immediately after removal from dryer.

Third Party Test Report

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SAMPLE IDENTIFIED BY CLIENT AS:

Dryer Sheets Submitted

Sample #1: Bounce Dryer Sheets

Sample #2: SilverPro Dryer Cloths

Color Off White & Black W/Gold

ELECTROSTATIC CLINGING OF FABRICS:

FABRIC-TO-METAL TEST (AATCC 115), CONT'D:

CONDITIONS: 80.3°F, 33.7% Rh:

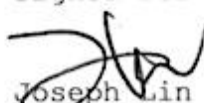
- AFTER 1 CYCLE PER AATCC 135, MWC TDM, USING TIDE
FREE & GENTLE DETERGENT (AGECOR DRYER SHEETS),
KENMORE GAS DRYER:

LENGTH DIRECTION			WIDTH DIRECTION		
TIME TO DECLING RUBBING FABRIC (min)			TIME TO DECLING RUBBING FABRIC (min)		
SPECIMEN	NYLON	POLYESTER	SPECIMEN	NYLON	POLYESTER
1	0*	0*	1	0*	0*
2	0*	0*	2	0*	0*
3	0*	0*	3	0*	0*
AVG	0*	0*	AVG	0*	0*

* - Does not cling.

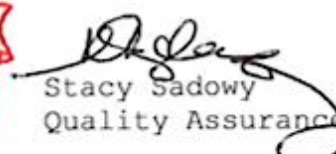
AVG TIME: Time required for wool dummy load specimen to lose electrostatic charge when tested immediately after removal from dryer.

Signed For The Company By



Joseph Lin
Laboratory Manager





Stacy Sadowy
Quality Assurance Manager

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