

# Stendal 8413

## GENERAL INFORMATION

Composition	92% PES 8%PA
Weight g/m <sup>2</sup>	250 g/m <sup>2</sup>
Weight g/Lm	355 g/Lm
Weight lb/yd	0,81
Width	142 cm
Min. usable Width	138 cm
Piece Length	50 m
Tariff code	58013200

## CLEANING INSTRUCTIONS


**CLEANING CODE: W**

- SHRINKAGE**

ISO 6330:2012 ( 30° )	<b>30° WARP</b>	-0.3%
Maximum Shrinkage: 3%	<b>WEFT</b>	-0.1%

## TECHNICAL DATE

## PHYSICAL TESTING

- MARTINDALE ABRASION**

ISO12947-2 1998	<b>END POINT</b>	100000 rubs
Minimum grade: 20000 rubs	<b>CHANGE IN</b>	4/5
	<b>COLOR</b>	
- WYZENBEEK, SURFACE ABRASION**

ASTM D4157-02	<b>END POINT</b>	100000 rubs
Minimum grade: 15000 rubs		
- PILLING ON MARTINDALE**

ISO 12945-2:2000	<b>500 RUBS</b>	5
Minimum grade: 3/4 ( at 2000 rubs )	<b>1000 RUBS</b>	5
	<b>2000 RUBS</b>	5
	<b>5000 RUBS</b>	5
- RESISITANCE TO PILLING, BRUSH METHOD**

ASTM D3411-92	<b>Grade</b>	5
Minimum grade: 3		
- SEAM SLIPPAGE**

EN ISO 13936-2	<b>WARP</b>	3 mm
Minimum grade: 6mm	<b>WEFT</b>	4 mm
- YARN SLIPPAGE**

ASTM S 4034-19	<b>WARP</b>	76,5 lbf
Minimum grade: 25lbf	<b>WEFT</b>	54,5 lbf



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|----------------------|-------------|------|
| <b>TEAR STRENGTH</b> | <b>WARP</b> | 27 N |
| EN ISO 13937-3:2000  | <b>WEFT</b> | 20 N |
| Minimum grade: 20N   |             |      |
  
- |                         |             |         |
|-------------------------|-------------|---------|
| <b>TEARING STRENGTH</b> | <b>WARP</b> | 5,7 lbf |
| ASTM S 2261-13          | <b>WEFT</b> | 3,8 lbf |
| Minimum grade: 6lbf     |             |         |
  
- |                         |             |       |
|-------------------------|-------------|-------|
| <b>TENSILE STRENGTH</b> | <b>WARP</b> | 982 N |
| ISO 13934-1             | <b>WEFT</b> | 291 N |
| Minimum grade: 350N     |             |       |
  
- |                          |             |           |
|--------------------------|-------------|-----------|
| <b>BREAKING STRENGTH</b> | <b>WARP</b> | 120,8 lbf |
| ASTM D 5034-21 ( Grab )  | <b>WEFT</b> | 71,1 lbf  |
| Minimum grade: 60lbf     |             |           |

<b>COLOR TESTING</b>
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|-----------------------------------|------------|--------|------------|----------|
| <b>COLOUR FASTNESS TO RUBBING</b> | <b>DRY</b> | 100    | <b>WET</b> | 100      |
| EN ISO 105-X12                    | <b>DRY</b> | 101    | <b>WET</b> | 101      |
| Minimum grade:                    | <b>DRY</b> | 102    | <b>WET</b> | 102      |
| Dry: 4                            | <b>DRY</b> | 103:   | <b>WET</b> | 103:     |
| Wet: 3                            | <b>DRY</b> | 104    | <b>WET</b> | 104      |
|                                   | <b>DRY</b> | 200:   | <b>WET</b> | 200:     |
|                                   | <b>DRY</b> | 201: 4 | <b>WET</b> | 201: 3   |
|                                   | <b>DRY</b> | 202    | <b>WET</b> | 202      |
|                                   | <b>DRY</b> | 300    | <b>WET</b> | 300      |
|                                   | <b>DRY</b> | 303    | <b>WET</b> | 303      |
|                                   | <b>DRY</b> | 400    | <b>WET</b> | 400      |
|                                   | <b>DRY</b> | 401: 4 | <b>WET</b> | 401: 3/4 |
|                                   | <b>DRY</b> | 500    | <b>WET</b> | 500      |
|                                   | <b>DRY</b> | 501    | <b>WET</b> | 501      |
|                                   | <b>DRY</b> | 502    | <b>WET</b> | 502      |
|                                   | <b>DRY</b> | 503    | <b>WET</b> | 503      |
|                                   | <b>DRY</b> | 600    | <b>WET</b> | 600      |
|                                   | <b>DRY</b> | 601    | <b>WET</b> | 601      |
|                                   | <b>DRY</b> | 602:   | <b>WET</b> | 602:     |
|                                   | <b>DRY</b> | 603    | <b>WET</b> | 603      |
|                                   | <b>DRY</b> | 604    | <b>WET</b> | 604      |
|                                   | <b>DRY</b> | 605    | <b>WET</b> | 605      |
|                                   | <b>DRY</b> | 607    | <b>WET</b> | 607      |
|                                   | <b>DRY</b> | 700    | <b>WET</b> | 700      |
|                                   | <b>DRY</b> | 701    | <b>WET</b> | 701      |
|                                   | <b>DRY</b> | 702    | <b>WET</b> | 702      |
|                                   | <b>DRY</b> | 703    | <b>WET</b> | 703      |
|                                   | <b>DRY</b> | 704    | <b>WET</b> | 704      |
|                                   | <b>DRY</b> | 800:   | <b>WET</b> | 800:     |
|                                   | <b>DRY</b> | 801    | <b>WET</b> | 801      |
|                                   | <b>DRY</b> | 802    | <b>WET</b> | 802      |
|                                   | <b>DRY</b> | 803    | <b>WET</b> | 803      |
|                                   | <b>DRY</b> | 804:   | <b>WET</b> | 804:     |
|                                   | <b>DRY</b> | 805    | <b>WET</b> | 805      |
|                                   | <b>DRY</b> | 900    | <b>WET</b> | 900      |
|                                   | <b>DRY</b> | 901    | <b>WET</b> | 901      |
|                                   | <b>DRY</b> | 902    | <b>WET</b> | 902      |
|                                   | <b>DRY</b> | 903    | <b>WET</b> | 903      |



• <b>COLOUR FASTNESS TO LIGHT</b> EN ISO 105-B02 Minimum grade: 4	<b>GRADE</b>	100: 4
	<b>GRADE</b>	101: 4
	<b>GRADE</b>	102: 3/4
	<b>GRADE</b>	103: 3/4
	<b>GRADE</b>	104: 3/4
	<b>GRADE</b>	200: 3/4
	<b>GRADE</b>	201: 3
	<b>GRADE</b>	202: 3/4
	<b>GRADE</b>	300: 3/4
	<b>GRADE</b>	303: 3/4
	<b>GRADE</b>	400: 5
	<b>GRADE</b>	401: 3/4
	<b>GRADE</b>	500: 5
	<b>GRADE</b>	501: 3
	<b>GRADE</b>	502: 4
	<b>GRADE</b>	503: 3/4
	<b>GRADE</b>	600: 4
	<b>GRADE</b>	601: 3/4
	<b>GRADE</b>	602: 4
	<b>GRADE</b>	603: 4
	<b>GRADE</b>	604: 5
	<b>GRADE</b>	605: 3/4
	<b>GRADE</b>	607: 3/4
	<b>GRADE</b>	700: 5
	<b>GRADE</b>	701: 4
	<b>GRADE</b>	702: 4
	<b>GRADE</b>	703: 3/4
	<b>GRADE</b>	704: 3/4
	<b>GRADE</b>	800: 3/4
	<b>GRADE</b>	801: 3/4
<b>GRADE</b>	802: 4	
<b>GRADE</b>	803: 5	
<b>GRADE</b>	804: 4	
<b>GRADE</b>	805: 4	
<b>GRADE</b>	900: 4	
<b>GRADE</b>	901: 4	
<b>GRADE</b>	902: 4	
<b>GRADE</b>	903: 4	

<b>STANDARD INHERENT FR</b>
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<b>CIGARETTE TEST</b> EN1021/1	Pass
<b>CIGARETTE TEST</b> BS5852/0	Pass
<b>CALIFORNIA TECHNICAL BULLETIN</b> CAL117/2013	Pass

<b>FLAMMABILITY OPTIONAL</b>
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<b>CIGARETTE &amp; MATCH TEST</b> EN1021/1-2	Pass
<b>CIGARETTE &amp; MATCH TEST</b> BS5852/0-1	Pass



<b>CERTIFICATES</b>
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<b>REACH</b>	Pass
<b>OEKOTEX standard 100 product class II</b>	Pass

- **Remark**

Results shown are the results obtained on the first full batch of this article. Test results may vary from lot to lot.

The minimum guaranteed grade is mentioned below each standard.

Sorrento needs a backing when this is used for upholstery.