

## Specyfikacja techniczna

Dotyczy produktu:

**Taśma ogrodzeniowa, balkonowa, 19cmx35m**

Szerokość: 19cm

Długość: 35m

Gramatura: 450g/m<sup>2</sup>

Materiał: PVC (Polichlorek winylu)

Kolory: brązowy RAL8011; zielony RAL6005; szary RAL7016; jasnoszary RAL7040

### Właściwości:

| Rodzaj testu                                         | Metoda testu                                             | Warunki testu                                                                                                                                                        | Wynik testu              |                                       |
|------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------|
| Wytrzymałość na rozciąganie                          | ISO 527-1: 2012<br>i<br>ISO 527-3: 1995 /<br>Cor.2: 2001 | Szerokość próbki: 25,40 mm<br>Grubość próbki: 0,323 mm<br>Prędkość testowania: 100 mm / min<br>Długość wskaźnika: 50 mm                                              | 30.6MPa                  |                                       |
| Wydłużenie przy zerwaniu                             |                                                          |                                                                                                                                                                      | 22%                      |                                       |
| Wytrzymałość na rozciąganie po 400h ekspozycji na UV |                                                          | Szerokość próbki: 25,40 mm<br>Grubość próbki: 0,323 mm<br>Prędkość testowania: 100 mm / min<br>Długość wskaźnika: 50 mm                                              | 32.6MPa                  |                                       |
| Wydłużenie przy zerwaniu po 400h ekspozycji na UV    |                                                          |                                                                                                                                                                      | 21%                      |                                       |
| Ekspozycja na UV                                     | ISO 4892-3:2006                                          | Typ lampy: UVA-340<br>8h UV przy (60 ± 3) °C BST,<br>0,76 W / (m <sup>2</sup> • nm) przy 340 nm<br>4 godz. Kondensacja przy (50 ± 3) °C BST<br>Czas ekspozycji: 400h | Po 300h Ekspozycji na UV | Skala szarości 4-5 Uwaga              |
|                                                      |                                                          |                                                                                                                                                                      | Po 400h Ekspozycji na UV | Skala szarości 4-5 Uwaga              |
| Odporność koloru na światło                          |                                                          |                                                                                                                                                                      | Po 300h Ekspozycji na UV | Odporność koloru na światło 6 Uwaga 1 |

Uwaga: zgodnie z normą ISO 105-A02: 1993 / Cor.2: 2005 skala szarości jest określana w świetle standardowym D65, ocena 5 jest najlepsza, a ocena 1 jest najgorsza.

Uwaga 1: zgodnie z normą ISO 105-A02: 1993 / Cor.2: 2005 skala odporności koloru na światło jest oceniana w skali 1-8. Ocena 8 jest najlepsza, a ocena 1 jest najgorsza.

### Zasada odporności koloru na światło:

Test mierzy odporność na blaknięcie barwionych tkanin po ekspozycji na światło dzienne. Badaną próbkę poddaje się działaniu światła od 24 do 72 godzin lub na żądanie klienta / kupującego i porównuje zmianę z oryginalną, nienaświetloną próbką. Zmiany ocenia się za pomocą Blue Scales.

| Stopień                   | 1                          | 2                   | 3                   | 4           | 5                      | 6                      | 7                             | 8              |
|---------------------------|----------------------------|---------------------|---------------------|-------------|------------------------|------------------------|-------------------------------|----------------|
| Stopień zaniku koloru     | Bardzo rozległe blaknięcie | Rozległe blaknięcie | Znaczące blaknięcie | Blaknięcie  | Umiarkowane blaknięcie | Nieznaczące blaknięcie | Bardzo nieznaczące blaknięcie | Bez blaknięcia |
| Typ odporności na światło | Bardzo ubogi               | Ubogi               | Dostateczny         | Umiarkowany | Dobry                  | Bardzo dobry           | Doskonały                     | Wybitny        |

Firma BRADAS Adam i Jan Tyrąła Spółka Jawna z pełną odpowiedzialnością oświadcza, że powyższa specyfikacja została sporządzona na podstawie badania technicznego wykonanego przez światowego lidera w dziedzinie kontroli, firmę SGS.





## TEST REPORT

No. : SHMR121010274

Date : Nov.7,2012

Page: 1 of 4

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : PVC TAPPAULIN  
Sample No. : SHMR121010274  
SGS Ref. No. : SP121006401  
Product or Lot No. : TP310E  
Test Required : UV Exposure, Tensile strength, Elongation at break  
Date of Receipt : Oct.12,2012  
Test Period : Oct.12,2012 to Nov.5,2012

Test result(s) : For further details, please refer to the following page(s)

\*\*\*\*\* To be continued\*\*\*\*\*

Signed for SGS-CSTC Standards  
Technical Services (Shanghai) Co., Ltd

Peteson Zhang  
Authorized signatory

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.  
Testing Center

8th building, No.69 Block 1159 Kangqiao East Road, Pudong District, Shanghai, China 201319  
中国·上海·上海浦东康桥东路1159弄69号8号楼 邮编: 201319

t (86-21) 61196300 f (86-21) 68183920 www.cn.sgs.com  
t (86-21) 61196300 f (86-21) 68183920 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

# TEST REPORT

No. : SHMR121010274

Date : Nov.7,2012

Page: 2 of 4

Sample Description: Blue fabric

Lab Environmental Condition: 23±2℃, 50±5%RH

## Test Result:

| Test Item                                        | Test Method                                            | Test Condition                                                                                                                               | Result                       |                        |
|--------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------|
| Tensile strength                                 | ISO 527-1:2012<br>and<br>ISO 527-3:1995/<br>Cor.2:2001 | Specimen width: 25.40mm<br>Specimen thickness: 0.323mm<br>Testing speed: 100mm/min<br>Gauge length: 50mm                                     | 30.6MPa                      |                        |
| Elongation at break                              |                                                        |                                                                                                                                              | 22%                          |                        |
| Tensile strength<br>after 400h<br>UV Exposure    |                                                        | Specimen width: 25.40mm<br>Specimen thickness: 0.323mm<br>Testing speed: 100mm/min<br>Gauge length: 50mm                                     | 32.6MPa                      |                        |
| Elongation at break<br>after 400h<br>UV Exposure |                                                        |                                                                                                                                              | 21%                          |                        |
| UV Exposure                                      | ISO 4892-3:2006<br>Cycle 1                             | Lamp type: UVA-340<br>8h UV at (60±3)℃ BST,<br>0.76W/(m <sup>2</sup> ·nm) @ 340nm<br>4h condensation at (50±3)℃ BST<br>Exposure period: 400h | After 300h<br>UV<br>Exposure | Gray scale<br>Note 4-5 |
|                                                  |                                                        |                                                                                                                                              | After 400h<br>UV<br>Exposure | Gray scale<br>Note 4-5 |

Note: According to ISO 105-A02:1993/Cor.2:2005, Grey scale is determined under D65 standard light, grade 5 is the best and grade 1 is the worst.

\*\*\*\*\* To be continued\*\*\*\*\*

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

## TEST REPORT

No. : SHMR121010274

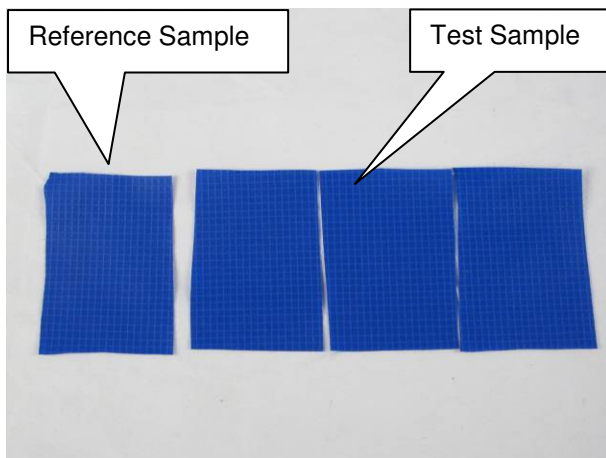
Date : Nov.7,2012

Page: 3 of 4

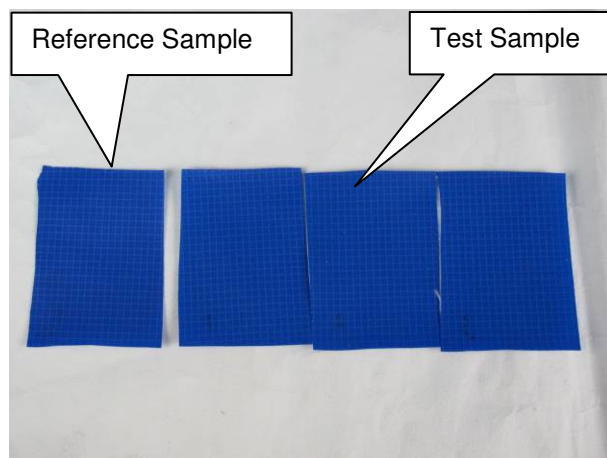
Test Photo:



Original sample



Before UV Exposure test



After 300h UV Exposure test

\*\*\*\*\* To be continued\*\*\*\*\*

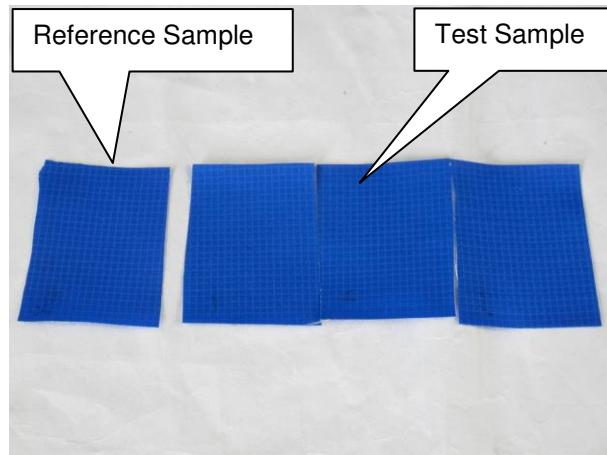
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

## TEST REPORT

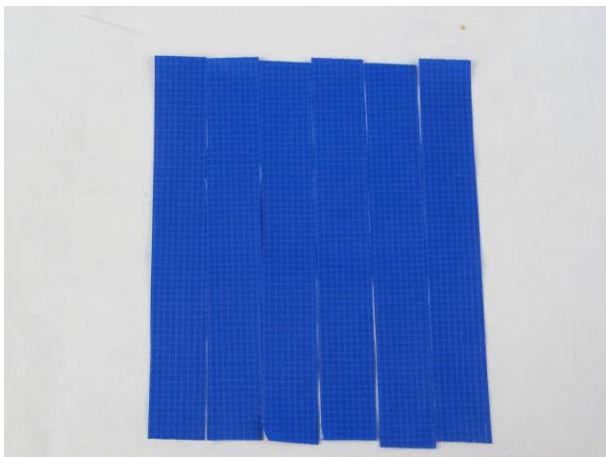
No. : SHMR121010274

Date : Nov.7,2012

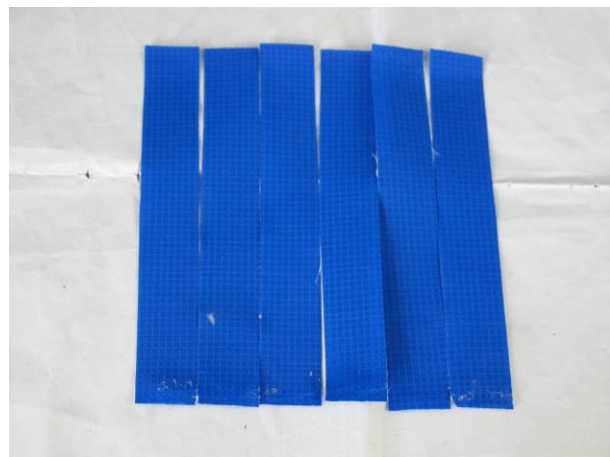
Page: 4 of 4



After 400h UV Exposure test



Before UV Exposure test  
(Specimens for Tensile test)



After UV Exposure test  
(Specimens for Tensile test)

\*\*\*\*\* End of report \*\*\*\*\*

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.