



## STC Test Report

**Date:** 2015-11-04

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**No:** HT237550

**Applicant** : Kwan Jiu Co. Ltd.  
Rm. 633-634BC, 6/F., Block 1,  
Wang Cheong Factory Est.,  
781 Lai Chi Kok Road, Kowloon  
  
Attn.: Cheuk Kit Bing, Esther

**Description of Sample(s)** : One (1) group of submitted sample in grey color said to be  
"Shalex Waterproof It".  
Highly flexible elastomeric waterproof membrane

**Date sample(s) Received** : 2015-10-19

**Date Tested** : 2015-10-19 to 2015-11-02

**Investigation Requested** : Selected test(s) as detailed herein.

  
Dr. KWONG, Rock,  
Authorized Signatory  
Textile and Materials Department  
For and on behalf of

The Hong Kong Standards and Testing Centre Ltd.

International Safe Transit Association (ISTA) Certified Laboratory  
Members of  
Hong Kong Apparel Society Limited  
Hong Kong Footwear Association  
International Association of Wool Textile Laboratories (Interwoollabs)

Approved Laboratory of Australian Wool Innovation Limited (AWI)  
The Govmark Fire Laboratories Certified Laboratory  
Hong Kong Association for Testing, Inspection and Certification Limited  
Knitwear Innovation and Design Society (KIDS)

The Hong Kong Standards and Testing Centre Limited

Head Office : 10 Dai Wang Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong

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### TEST RESULT(S):

#### 1. Tensile strength

Ref. ASTM D412-06a(2013)

Type of specimen: Type C

Rate of grip separation: 500mm/min

<u>Test direction</u>	<u>Specimen</u>	<u>Tensile strength (MPa)</u>	<u>Elongation (%)</u>
Lengthwise	1	1.238	711
	2	1.199	625
	3	1.196	666
	4	1.178	823
	5	1.262	734
	Average	1.215	712
Widthwise	1	1.459	498
	2	1.427	535
	3	1.438	609
	4	1.405	598
	5	1.422	477
	Average	1.430	544

#### 2. Tear strength

Ref. ASTM D624-00(2012)

Type of specimen: Type B

<u>Test direction</u>	<u>Specimen</u>	<u>Thickness(mm)</u>	<u>Maximum force (N)</u>	<u>Tear strength (kN/m)</u>
Lengthwise	1	0.541	5.35	9.9
	2	0.558	4.85	8.7
	3	0.514	4.85	9.4
	Average			9.3
Widthwise	1	0.488	5.85	12.0
	2	0.481	6.00	12.5
	3	0.479	6.00	12.5
	Average			12.3

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### TEST RESULT(S):

#### 3. Tensile strength

Ref. ASTM D638-14

Type of specimen: Type VI

Rate of grip separation: 500mm/min

Test direction	Specimen	Tensile strength (MPa)	Elongation (%)
Lengthwise	1	1.105	666
	2	1.140	686
	3	1.149	612
	4	1.130	651
	5	1.178	598
	Average	1.141	643
Widthwise	1	1.203	485
	2	1.157	529
	3	1.192	548
	4	1.247	520
	5	1.367	565
	Average	1.233	529

#### 4. Tensile strength

Ref. ASTM D882-12

Test direction	Specimen	Tensile strength (MPa)	Elongation (%)
Lengthwise	1	0.996	1213
	2	0.956	1367
	3	0.962	1190
	4	0.976	1153
	5	0.926	1270
	Average	0.963	1239
Widthwise	1	1.011	920
	2	1.033	1073
	3	1.119	1003
	4	1.101	1007
	5	1.076	1100
	Average	1.068	1021

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### TEST RESULT(S):

#### 5. Water Absorption of Plastics

Ref. ASTM D570-98(2010)e1

24 hours immersion

<u>Specimen</u>	<u>Result (%)</u>
1	27.58
2	25.89
3	27.00
Average	26.82

\*\*\*\*\* End of Test Report \*\*\*\*\*

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