

# Test Report



Report No. : KV-19-10327A-1  
 Page No. : 1 OF 1  
 Date of Report : Dec. 09, 2019

## NAN YA PLASTICS CORPORATION.

**Product Name** PVC Waterproof Tarpaulin Leather  
**Product Color** 0Y1/089  
**Product Submitted By** NAN YA PLASTICS CORPORATION.  
**Date of Sample Received** Nov. 29, 2019  
**Date of Testing** Nov. 29, 2019~Dec. 09, 2019  
**Remark**  
 1. The information mentioned in the above section is provided by Client  
 (Exclude Date of Sample Received and Date of Testing)  
 2. The following report content marks # is provided by Client

Product Standard : CNS 10145(2016) Synthetic polymer sheets for waterproof  
 Composite sheet - Reinforced composite type)

Test Method : CNS 10145(2016) Synthetic polymer sheets for waterproof

### TEST RESULTS :

Test Item		Test Result	#Requirement
Lap tensile properties	Lap tensile strength(N/cm) Unprocessed	515	≥ 240

- Remark : 1. Laboratory test environment: temperature (20 ± 2) °C, relative humidity (65 ± 5)%.  
 2. Test piece curing conditions: temperature (20 ± 2) °C, relative humidity (65 ± 5)%, 1 hours.  
 3. This Test Report is an additional original report of KV-19-10327-1. Issued date : Dec.27,2019.

----- oOo -----

Signed for and on behalf of  
 SGS Taiwan Ltd.

The required specification(s) offered in this test report is/are for reference only.  
 The conformity judgment is at the Applicant's final verdict.

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/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.

# Test Report



Report No. : KV-19-05910A-1  
 Page No. : 1 OF 1  
 Date of Report : Dec. 09, 2019

## NAN YA PLASTICS CORPORATION.

**Product Name** PVC Waterproof Tarpaulin Leather  
**Product Color** 0Y1/089  
**Product Submitted By** NAN YA PLASTICS CORPORATION.  
**Date of Sample Received** Jul. 11, 2019  
**Date of Testing** Jul. 11, 2019~Dec. 09, 2019  
**Remark**  
 1.The information mentioned in the above section is provided by Client  
 (Exclude Date of Sample Received and Date of Testing)  
 2.The following report content marks # is provided by Client

Product Standard : CNS 10145(2016) Synthetic polymer sheets for waterproof  
 Composite sheet - Reinforced composite type)

Test Method : CNS 10145(2016) Synthetic polymer sheets for waterproof

### TEST RESULTS :

Test Item			Test Result		#Requirement
			MD	CD	
Tensile properties	Tensile Strength (N/cm)		455	507	≥ 240
	Elongation (%)		29.1	21.5	≥ 15
Tear properties	Right angle tear strength(N)		105	122	≥ 50
Lap tensile properties	Lap tensile strength (N/cm)	Unprocessed	530		≥ 240

- Remark : 1. Laboratory test environment: temperature (20 ± 2) °C, relative humidity (65 ± 5)%.
2. Test piece curing conditions: temperature (20 ± 2) °C, relative humidity (65 ± 5)%, 1 hours.
3. This Test Report is an additional original report of KV-19-05910-1. Issued date : Dec.27,2019.

----- oOo -----

The required specification(s) offered in this test report is/are for reference only.  
 The conformity judgment is at the Applicant's final verdict.



Signed for and on behalf of  
 SGS Taiwan Ltd.

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/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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.



## Test Report



Report No. : KV-19-05909A-1

Page No. : 1 OF 1

Date of Report : Nov. 13, 2019

### NAN YA PLASTICS CORPORATION.

**Product Name** : NAN YA PVC Waterproof Tarpaulin Leather  
**Product Color** : 0Y1/089  
**Product Submitted By** : NAN YA PLASTICS CORPORATION.  
**Date of Sample Received** : Jul. 11, 2019  
**Date of Testing** : Jul. 11, 2019~Nov. 11, 2019  
**Remark** :  
 1. The information mentioned in the above section is provided by Client(Exclude Date of Sample Received and Date of Testing)  
 2. The following report content marks # is provided by Client

### TEST RESULTS :

Test Item	Test Method	Test Result
Chemical resistance (23 °C , 24 h)	5 % H <sub>2</sub> SO <sub>4</sub>	No visual change in appearance
	5 % NaOH	No visual change in appearance
Weather Resistance(1000 h) a. Visual inspections b. Gray scale	ASTM G154-16 Cycle 1 ASTM D2616-12	No abnormality 4 ~ 5

Remark : 1. Weather Resistance Conditioning :

Lamp : UVB-340

Typical Irradiance : 0.89 ( W/m<sup>2</sup>/nm ) at 340 nm

Exposure Cycle : UV exposure 8 h at ( 60 ± 3 ) °C ;

Condense 4 h at ( 50 ± 3 ) °C

2. This Test Report is an additional original report of KV-19-05909-1. Issued date: Dec. 30 2019.

----- oOo -----

The required specification(s) offered in this test report is/are for reference only

Signed for and on behalf of  
 SGS Taiwan Ltd.