



PRÜFBERICHT

PE

SEHR GEEHRTE LESERIN,

In diesem zusammengestellten Dokument finden Sie alle Prüfberichte der PE-Plane, die wir für unsere Überdachungen verwenden. Das Dokument zeigt, wie stark das Material ist, wie es sich bei extremer Kälte verhält und wie es auf Feuer reagiert – einschließlich der zugehörigen Messwerte und SGS-Prüfberichtsnummern.

Die Berichte belegen, dass die Plane ausreichend fest ist, bei niedrigen Temperaturen keine sichtbaren Schäden aufweist und die Anforderungen an flammhemmende Materialien für Zelte und ähnliche Anwendungen erfüllt. Auf Grundlage dieser Prüfungen können Sie beurteilen, ob die PE-Plane für Ihre Anwendung geeignet ist.

In diesem Dokument sind unter anderem folgende Prüfungen enthalten:

- Ein Zugversuch, bei dem gemessen wird, welche Kraft die Plane aushält, bevor sie reißt (ASTM D5035-11).
- Eine Kälteprüfung bei -50 °C über 16 Stunden, bei der kontrolliert wird, ob Risse oder andere Schäden an der Oberfläche auftreten.
- Eine Brandprüfung nach CPAI-84 (2021), einer Norm für flammhemmende Zeltmaterialien, einschließlich Prüfungen nach Wassereinwirkung und beschleunigter Alterung (UV und Kondensation).

FRAGEN?

Unser Team denkt gerne mit Ihnen mit und beantwortet Ihre Fragen!

+49 2822 9113022

vertrieb@kroftman.de



TEST REPORT

No. : TJMR251200807101

Date : Jan 06, 2026

Page: 1 of 4



CUSTOMER NAME: Qingdao Henglian Plastic Co.,Ltd.
ADDRESS: No.67, Zhangjia 1st Road,Duanpolan Town, Jimo District, Qingdao City, Shadong Province

Sample Name : PE TARPAULIN

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : SHRT25000980R03
Date of Receipt : Dec 31, 2025
Testing Start Date : Dec 31, 2025
Testing End Date : Jan 06, 2026
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

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

Jenarry Liu
Authorized signatory



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TEST REPORT

No. : TJMR251200807101

Date : Jan 06, 2026

Page: 2 of 4

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Cold Test	Provided by client	No visible cracks, spalling or other defects on the surface	Pass

Note: Pass : Meet the requirements;
 Fail : Does not meet the requirements;
 / : Not Apply to the judgment.



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TEST REPORT

No. : TJMR251200807101

Date : Jan 06, 2026

Page: 3 of 4

1. Test Item: Cold Test

Sample Description: A-sheet

Test Method: Provided by client

Test Condition:

Test temperature: -50° C

Test duration: 16h

Lab Environmental Condition: 15°C - 35°C, 25%RH - 75%RH

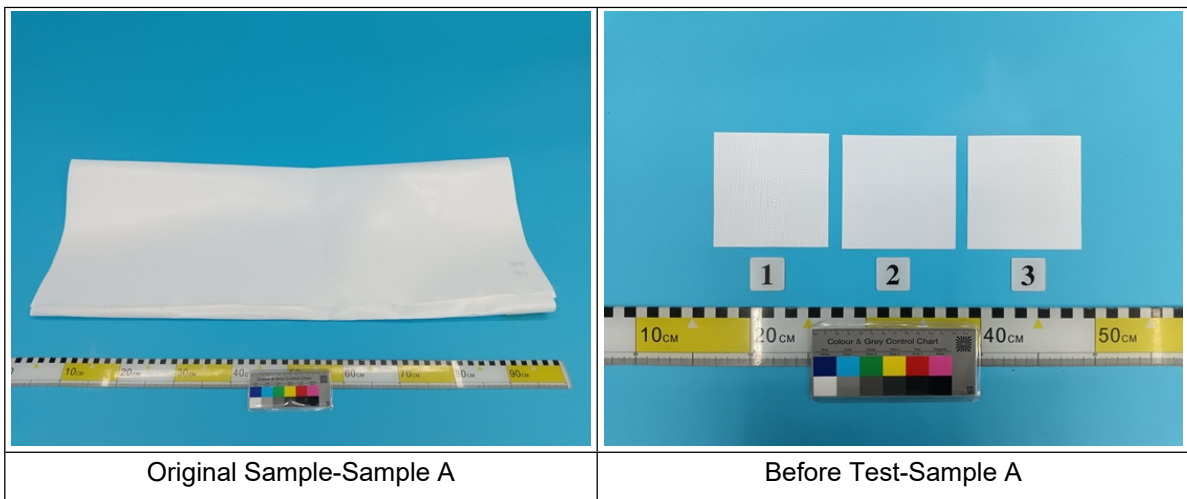
Test Result:

Sample A

Test Item	Test Result	Requirement	Conclusion
Cold Test	No visible cracks, spalling or other defects on the surface	No cracks, spalling or other defects on the surface	Pass

Note: Test specimens were cut from the sample.

Test Photo:



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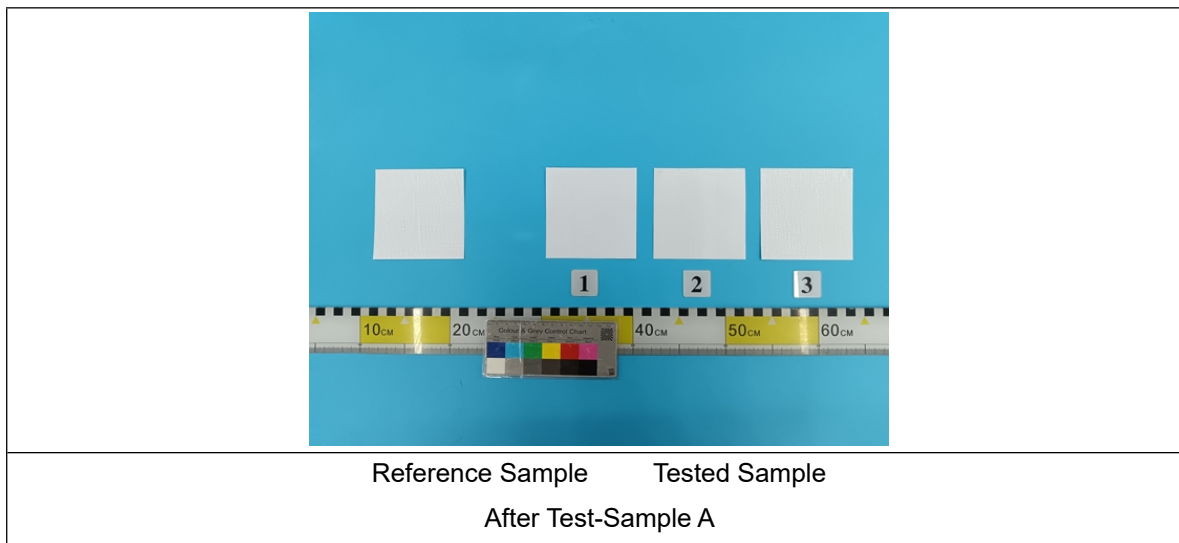
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TEST REPORT

No. : TJMR251200807101

Date : Jan 06, 2026

Page: 4 of 4



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Rapid Temperature Change Test Chamber	MS-KSWB-512L	POL-424	2025-12-01	2026-11-30

Appendix information:

*Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

*The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc. and just for client internal reference.

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



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QINGDAO HENGLIAN PLASTIC CO., LTD.

NO. 67, ZHANGJIA 1ST ROAD, DUANPOLAN TOWN, JIMO DISTRICT, QINGDAO CITY, SHADONG PROVINCE

Sample Name : PE TARPAULIN

Style/Item No. : /

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

SGS Ref. No. : SHRT25000980R01

Sample Receiving Date : Dec 30,2025

Testing Period : Dec 30,2025 to Jan 09,2026

Test Required : CPAI-84 A specification for flame-resistant materials used in camping tentage 2021 Revision.

Test result(s) : See attached sheet

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd Anji Branch



Echo Li
Approved signatory

Scan to see the report



AJFTS25009184R01
Verification:
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Sample Information

Tent type	Test method	Requirement
<input checked="" type="checkbox"/> intended principally for commercial or industrial use, or <input checked="" type="checkbox"/> which have an area of greater than 200 square feet in area	CPAI-84	Performance requirement: CPAI-84 Labeling requirement: CPAI-84
<input type="checkbox"/> intended principally for recreational use and having an area of equal to or less than 200 square feet in area	ASTM F3431	Performance requirement: ASTM F3431 Labeling requirement: CPAI-84

Material Type (CPAI-84)	<input checked="" type="checkbox"/> Wall and top material <input type="checkbox"/> Flooring material
Material Type (ASTM F3431)	<input type="checkbox"/> Wall material and top material <input type="checkbox"/> Flooring material (That extend a distance of 305 mm or more up the side of a tent; These do not come into contact with the ground during use of the tent, such as flooring materials of suspended tents or tent cots) <input type="checkbox"/> Flooring material (All other flooring materials, including flooring materials that extend up the side of a tent a distance of up to but not including 305 mm) <input type="checkbox"/> Not clarify

Conclusion: Pass, Fail.

Statement: This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.



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Test Conducted

The test was conducted in accordance with CPAI-84 A specification for flame-resistant materials used in camping tentage 2021 Revision, section 6 Flammability test method, wall and top material.

Test Specimen

Description	PE tarpaulin
Color	White
Fabric weight	301 g/m ²
Size of specimen	300 mm × 70 mm

Conditioning:

[√] 72 Hours water leaching;

[√] Accelerated Weathering: Clause 4.2.2.3, UV Flourescent and Condensation Method, 54 hours accelerated weathering.

Prior to testing, the specimens were conditioned at a temperature of (21±1)°C and a relative humidity of (65±2)% until the moisture equilibrium.

Test Result

Specimen No. (As received)	Damaged length (mm)		After-flame (s)		Flaming broken or flaming debris (Yes/No)	
	Lengthwise	Widthwise	Lengthwise	Widthwise	Lengthwise	Widthwise
1	110	108	0	0	No	No
2	106	103	0	0	No	No
3	108	104	0	0	No	No
4	105	102	0	0	No	No
Average	106		0			

Specimen No. (After leaching)	Damaged length (mm)		After-flame (s)		Flaming broken or flaming debris (Yes/No)	
	Lengthwise	Widthwise	Lengthwise	Widthwise	Lengthwise	Widthwise
1	109	111	0	0	No	No
2	105	104	0	0	No	No
3	112	108	0	0	No	No
4	107	105	0	0	No	No
Average	108		0			



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Specimen No. (After weathering)	Damaged length (mm)		After-flame (s)		Flaming broken or flaming debris (Yes/No)	
	Lengthwise	Widthwise	Lengthwise	Widthwise	Lengthwise	Widthwise
1	113	114	0	0	No	No
2	109	107	0	0	No	No
3	114	111	0	0	No	No
4	110	108	0	0	No	No
Average	111		0			

Performance Requirement:

1. No specimen from a sample unit of wall and top material shall have an after-flame time of more than 4s; the average after-flame time for all specimens in a sample unit shall not exceed 2s.
2. Portions or residues that break or drip from the test specimens shall not continue to flame after they reach the floor of the test cabinet.
3. These requirements include:
 Specimens that were unleached and unweathered.
 Specimens that were leached but unweathered.
 Specimens that were weathered but unleached.
4. Damaged length, using the procedure described in Sections 6.4.5 and 6.4.6, the maximum permissible damaged for the sample unit and individual specimens shall not exceed the values shown as follows Table.

Roll Material Weight (g/m ²)	Maximum Average Damaged Length for Sample Unit (mm)	Maximum Damaged Length for an Individual Specimen (mm)
[] More than 340	115	255
[√] More than 270 but not more than 340	140	255
[] More than 200 but not more than 270	165	255
[] More than 135 but not more than 200	190	255
[] More than 50 but not more than 135 *	215*	255*
[] 50 ** or less	230*	255*

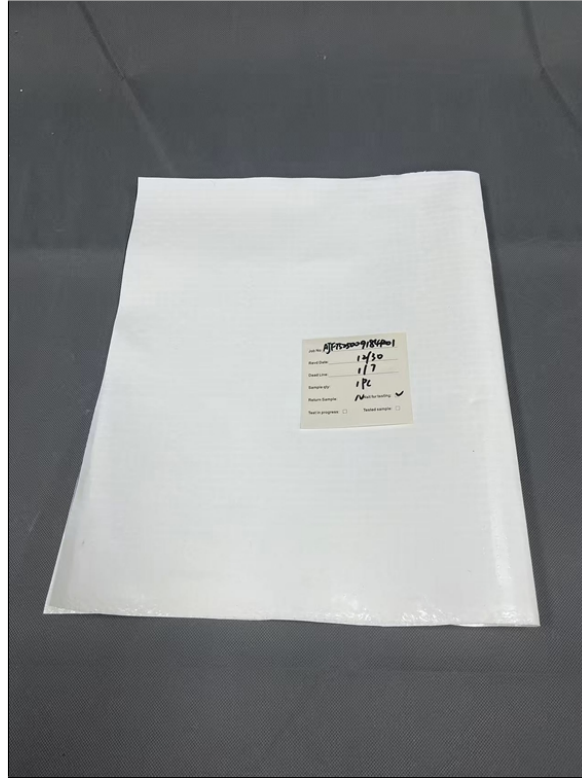
*** ALTERNATE PROCEDURE:**

Any wall or top material with a mass of less than 100 g/m² will be considered acceptable if the mass loss during the test is no greater than 5 percent of the original test specimen mass, regardless of the damaged length measurement.



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Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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TEST REPORT

No. : TJMR251200807001

Date : Jan 08, 2026

Page: 1 of 5



CUSTOMER NAME: Qingdao Henglian Plastic Co.,Ltd.
ADDRESS: No.67, Zhangjia 1st Road,Duanpolan Town, Jimo District, Qingdao City,
Shadong Province

Sample Name : PE TARPAULIN

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : SHRT25000980R02
Date of Receipt : Dec 31, 2025
Testing Start Date : Dec 31, 2025
Testing End Date : Jan 08, 2026
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

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



Doris Liang
Authorized signatory



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TEST REPORT

No. : TJMR251200807001

Date : Jan 08, 2026

Page: 2 of 5

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Breaking Force	ASTM D5035-11(Reapproved 2024)	See result	/

Note: Pass : Meet the requirements;
 Fail : Does not meet the requirements;
 / : Not Apply to the judgment.



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TEST REPORT

No. : TJMR251200807001

Date : Jan 08, 2026

Page: 3 of 5

1. Test Item: Breaking Force

Sample Description: A-sheet

Test Method: ASTM D5035-11(Reapproved 2024)

Test Condition:

Specimen: 1C

Specimen Width: 25 mm

Testing Speed: 300 mm/min

Distance between the Clamps: 75 mm

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

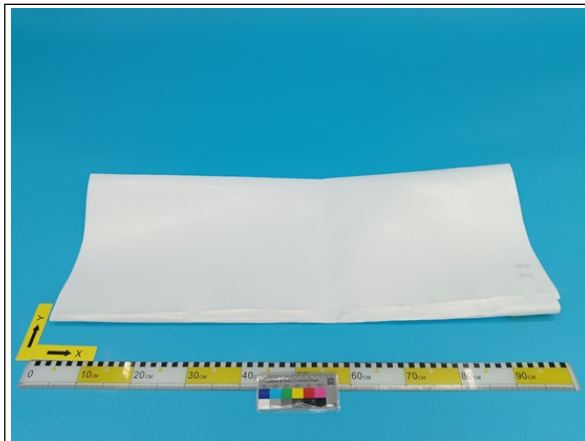
Sample A

Test Item	Test Result	
Breaking Force	Warp	936N
	Weft	814N

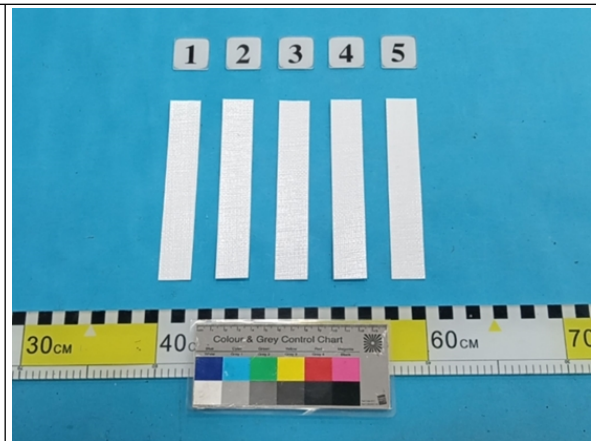
Note:

Test specimens were cut from the sample.

Test Photo:



Original Sample-Sample A-X: Weft/Y: Warp



Before Test-Sample A-Warp



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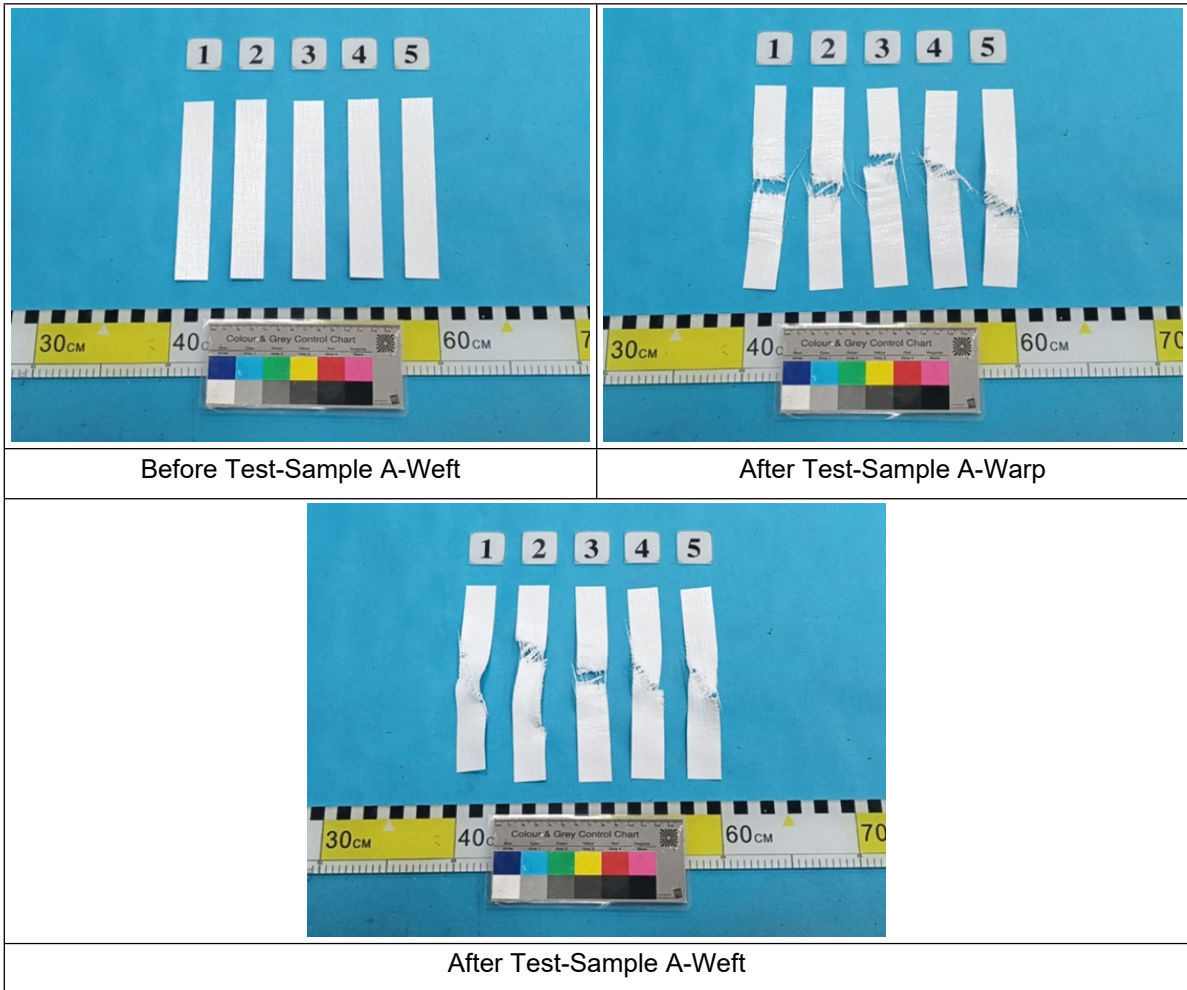
Building C-13, No.80, Haiyun Avenue, TEDA, Tianjin, China 300457 t (86-22) 5999 5319 f (86-22) 5999 5335 www.sgsgroup.com.cn
 中国·天津·经济技术开发区海云街80号C-13厂房 邮编: 300457 t (86-22) 5999 5319 f (86-22) 5999 5335 e sgs.china@sgs.com

TEST REPORT

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SGS CSTC (Tianjin) Co., Ltd.
Materials Laboratory

Building C-13, No.80, Haiyun Avenue, TEDA, Tianjin, China 300457 t (86-22) 5999 5319 f (86-22) 5999 5335 www.sgsgroup.com.cn
中国·天津·经济技术开发区海云街80号C-13厂房 邮编: 300457 t (86-22) 5999 5319 f (86-22) 5999 5335 e sgs.china@sgs.com

TEST REPORT

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Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Universal Testing Machine	CMT4304	POL-116	2025-08-15	2026-08-14

Appendix information:

*The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc. and just for client internal reference.

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



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