



Test Report

No.: SL118103053868TX

Date: Jan 21, 2019

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EXPED AG
HARDSTRASSE 81
ZURICH,8004,SWITZERLAND

The following sample was submitted and identified by the client as:

One sample of SynMat UL M/LW-2019

Brand	:	Exped
End Use	:	Camping mat
Lot No.	:	9110
Season	:	2020
Children Sleepwear	:	No
Country Of Origin	:	Taiwan
Sample Receiving Date	:	Dec 13, 2018
Test Performing Period	:	Dec 13, 2018 – Jan 21, 2019
Test Performed	:	Selected test(s) as requested by applicant against specified requirement (details please refer to result page(s)).
	*	* * *
Test Results	:	Please refer to the next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Ng Siu Lun, Roy
Assistant Technical Manager

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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 Results :

Thermal Resistance of Sleeping Pad (ASTM F3340-18)

Test conditions:

Ambient temperature: 21±0.5°C

Relative humidity: 65±5%

Hotplate temperature: 35±0.1°C

Cold plate temperature: 5±0.1°C

Inner pressure before compression: 3.5±0.2 kPa

External pressure: 2.0±0.1 kPa

Result:

Sample	R-value (ft ² ·°F·h/Btu)			
	Location 1 (head end)	Location 2 (foot end)	Location 3 (center)	Average
Sample A1 (full size)	2.97	2.77	3.07	2.94
Sample A2 (full size)	2.87	2.73	2.96	2.85
Sample A3 (full size)	2.92	2.72	2.95	2.86

Remark:

1. The higher the R-value of the sleeping pad sample, the better the thermal insulation.
2. No. of specimen used per sample: 3

Photo of sample:

Sample A1



Sample A2

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Sample A3



*** End of Report ***

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