



Test Report

No.: SL119002115678TX

Date: Mar 08, 2019

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EXPED AG
HARDSTRASSE 81
ZURICH,8004,SWITZERLAND

The following samples were submitted and identified by the client as:

Three samples of SynMat 9 LW (LOT8110) marked as (A1)(A2)(A3)

Brand : EXPED
End Use : Camping mat
Lot No. : 9110
Season : 2020
Children Sleepwear : No
Country Of Origin : Taiwan

Sample Receiving Date : Feb 20, 2019

Test Performing Period : Feb 20, 2019 – Mar 08, 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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Test Results :

Thermal Resistance of Sleeping Pad (ASTM F3340-18)

Test conditions:

Ambient temperature: 20±0.5°C

Relative humidity: 35±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	5.18	5.34	5.43	5.32
Sample A2	5.24	5.13	5.05	5.14
Sample A3	5.32	4.93	5.32	5.19

Remark:

1. The higher the R-value of the sleeping pad sample, the better the thermal insulation.

Photo:

Sample: A1



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Sample: A2



Sample: A3



*** End of Report ***

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