



Test Report

No.: SL118103053879TX

Date: Jan 28, 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 XP 7M -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 28, 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: 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)	5.11	4.94	4.82	4.96
Sample A2 (full size)	4.92	4.77	4.57	4.76
Sample A3 (full size)	4.88	4.72	4.53	4.71

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



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Sample A2



Sample A3



*** End of Report ***

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