

Test report

Nr. Q MBL N 938 1821e

Reported to: PT RubberFoam Indonesia
Kawasan Industri Sentul
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INDONESIA

Object: "Latexmattresscore" Art. No. SZF 20090
(1 sample supplied by the client)

Order: Durability test and evaluation of the
resilience characteristics according to
LGA-Guidelines and DIN EN 1957: 08.2000

Findings

The "Latexmattresscore" has been tested in a durability test rig with a roller load of 1400 N in two test stages with a total of 30 000 cycles. In the centre of the area three measurements of the characteristic curves of resilience have been taken as follows:

- a) after 200 strokes
- b) after 30 000 strokes
- c) after 60 000 strokes

The characteristic curves of resilience allow an assessment of the resilience and durability characteristics as well as the subjective hardness rating and the hysteresis.

Characteristics before the test

Hardness index: 2.74
Hysteresis: 17.2 %
Height of the system: 133 mm

Characteristics after the test

Change in height after the test: 2.2 mm
Change in hardness after 30 000 strokes: 8 %
Change in hardness after the test: 9 %
Resilience loss factor after the test: 3.4
(deviating from DIN EN 1957)

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The data are determined based on the LGA-rating system limited to a maximum of 100 points.

The requirement for an increased quality level is 80 points.¹⁾

The reached total number of points for the 4 characteristic data is 99 points.

Change in height after test:	25 points
Change in hardness after 30 000 strokes:	25 points
Change in hardness after test:	25 points
Resilience loss factor after test:	24 points

The results of the test refer solely to the tested sample.

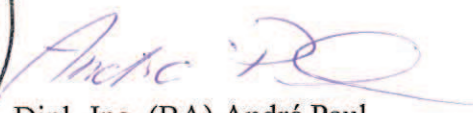
The following pages contain further information about test parameters and geometry of the roller, measurement conditions and design of the loading pad, modalities of assessment and rating system.

Nuremberg, 12-11-2008
QMBLN hy/pa/şe

LGA - QualiTest GmbH
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¹⁾ **note:** The minimum value for performance is 50 points. More than 70 points specific a good quality. At this the area under test has to be free of any damages / changes related to the mattress core.