

TFI · Charlottenburger Allee 41 · 52068 Aachen · Germany

Artilat N.V.
Koningsbaan
2560 Nijlen
BELGIUM

Charlottenburger Allee 41
52068 Aachen
Germany

Fon +49.241.9679 00
Fax +49.241.9679 200

postmaster@tfi-online.de
www.tfi-online.de

Test Report No. 420490-01

Determination of the share of synthetic latex / natural latex and the filler content in a latex foam core

1 Procedure

Order..... Determination of the share of synthetic latex / natural latex components and the filler content in a latex foam core.

Sample designation..... LS 100

Order issued by Artilat N.V.

Date of order 22.03.2012

Date of sample receipt..... 26.03.2012

Your reference Koen Everaerts

TFI reference number..... 12-03-0212

Test official at TFI..... Dipl.-Ing. Gerd Bittner, extension - 213

2 Sample description *

Sample..... Mayan Green Latex Foam Core

Manufacturer Artilat N.V.

Order no..... A.12.0198

Size of samples..... 25 cm x 25 cm x 15 cm

Weight of tested sample 705 grams

Amount of samples..... 2

TFI reference no. 12-03-0212

*The samples were taken and submitted by the customer.

3 Test results

According to your order, the test was performed by means of the samples presented for the determination of the share of synthetic latex / natural latex and the filler content in a latex foam core.

4 Annexes

The individual results as well as the type and the extent of the tests can be found in the following annexes:

Determination of synthetic latex / natural latex components LATEX 420490-01
 Determination of filler content FILLER 420490-01

The annexes marked ^a are based on tests accredited according to EN ISO/IEC 17025.

Aachen, 18.04.2012



Dr. Ernst Schröder

The present document is provided with a qualified electronic signature and is valid without autograph signature.

This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the Textiles & Flooring Institute GmbH, also with regard to the order execution.

Annex

Latex - Determination of the share of synthetic latex / natural latex *

1 Procedure

Sample designation.....LS 100
 Sample.....Mayan Green Latex Foam Core
 TFI reference number.....12-03-0212
 Testing period26.03.2012 - 04.04.2012

The product identification characteristics can be found on the first page of the test report.

2 Test method

The determination of synthetic latex and natural latex components was performed by means of IR / ATR.

3 Test result

Result ¹	
Share of natural latex	100 %
Share of synthetic latex	0 %

* The test was carried out by an accredited laboratory as sub-contractor.

¹ In relation to the polymer content, the share of natural latex amounts to 100 %,

¹ In relation to the polymer content, the share of synthetic latex amounts to 100 %.

Annex Filler – Determination of the filler content *

1 Procedure

Sample designationLS 100
 SampleMayan Green Latex Foam Core
 TFI reference number 12-03-0212
 Testing period26.03.2012 – 04.04.2012
 The product identification characteristics can be found on the first page of the test report.

2 Test method

The filler content was determined by means of thermogravimetry.

2 Test result

Result	
Share of filler components	< 5 %
Share of synthetic latex	0 %

* The test was carried out by an accredited laboratory as sub-contractor.

The filler content is calculated as the difference between the ash content and zinc oxide, assuming a maximum zinc oxide content of 5 % relative to the total weight of the latex foam core.