

Test Report

Report No.: A 877463-1Revised



**DANISH
TECHNOLOGICAL
INSTITUTE**

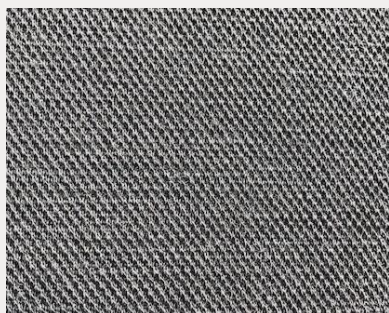
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No. of appendices: 1

Subject: Upholstery fabric Nitto, Fibre content: 46% new wool, 42% polyester, 12% nylon. (as per info from the assigner).



Sampling: The test material was sampled by the client and received at the Danish Technological Institute 17.06.2019.

Method: See Appendix 1.

Period: The testing was completed 21.06.2019.

Result: Individual results appear from Appendix 1.

Storage: The test material will be destroyed after 6 months, unless otherwise agreed.

Terms: Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Date/place: 09.07.2019, Danish Technological Institute, Wood and Biomaterials, Textile, Taastrup

Signature: Test responsible

Co-signatory



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Test Methods	Results																		
<p>Abrasion resistance - Martindale Part 2: Determination of specimen breakdown DS/EN ISO 12947-2:2016 Mass: 795 g Nominal pressure: 12 kPa End-point: One broken thread Colour change (1-5 scale, 5 best rating) ISO 105-A02:1993 Test conditions: 21°C, 65%RH</p>	<p>End-point: >100 000 rubs Individual re- >100 000 - >100 000 - >100 000 rubs sults: Colour change: Note 4-5 after 6000 rubs</p>																		
<p>Determination of fabric propensity to surface fuzzing and to pilling DS/EN ISO 12945-2:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Pre-treatment: none Abradant: Wool abradant fabric Loading mass: 415 g Test conditions: 21°C, 65%RH</p>	<table border="1"> <thead> <tr> <th><u>Assessment stage</u></th> <th><u>Number of rubs</u></th> <th><u>Pilling grade</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>500</td> <td>4</td> </tr> <tr> <td>2</td> <td>1000</td> <td>3-4</td> </tr> <tr> <td>3</td> <td>2000</td> <td>3-4</td> </tr> <tr> <td>4</td> <td>5000</td> <td>3-4</td> </tr> <tr> <td>Final grade</td> <td></td> <td>3-4</td> </tr> </tbody> </table> <p>The final grading at 2000 rubs relates to fuzzing and pilling</p>	<u>Assessment stage</u>	<u>Number of rubs</u>	<u>Pilling grade</u>	1	500	4	2	1000	3-4	3	2000	3-4	4	5000	3-4	Final grade		3-4
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