

TEST REPORT N° 19/02660

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Mod.018 Rev. 2 del 12.10.2015

WEB Request Number	
Receipt Number	19/2332
Receipt date	17/01/19
Test beginning date	18/01/19
Test end date	21/01/19
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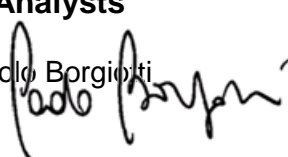

SAMPLE IDENTIFICATION:

A TESSUTO ART. KING FLEX

THIS DOCUMENT CONTAINS THE FOLLOWING TESTS:

Code	Test	Test Method
TT0420	Abrasion Resistance of Fabrics - Martindale Machine Method - Deterioration of the fabric	UNI EN ISO 12947-2:2017

Tests results refer only to tested samples submitted by the customer.
On each page there is the Institute dry stamp.
Tested samples are available for 3 months.

<p>The Analysts</p> <p>Prof. Paolo Borgiotti</p> 	<p>Technical Manager</p> <p>Prof. Giuseppe Bartolini</p> 
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Beginning of Test Report

TT0420	Abrasion Resistance of Fabrics - Martindale Machine Method - Deterioration of the fabric
<i>Test methods</i>	UNI EN ISO 12947-2:2017

Rev.01 del 03/09/03

<i>Test environment</i>	Samples acclimatized for 24 hours. Normal atmosphere (Temperature: 20°C; Relative Humidity: 65%) for acclimatisation and testing conditions: UNI EN ISO 139 : 11.
<i>Testing equipment</i>	Martindale Abrasion Tester - James H.Heal & Co. LTD. Gray scale UNI EN 20105 A02 : 96
<i>Testing date</i>	21/01/2019

Test Results :

Sample identification:	TESSUTO ART. KING FLEX
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<i>Pre-treatment</i>	<i>Untreated</i>
<i>Pressure</i>	<i>12 kPa</i>

Reached the deterioration (end point).

<i>Average Abrasion</i>	100.000 rubs
<i>Colour change</i>	3 ISO 105-A02
<i>Final Degradation</i>	Moderate

<i>Degradation Hystory</i>				
<i>Rubs</i>	<i>Damage</i>	<i>Effect</i>	<i>Degradation</i>	<i>Colour change ISO 105-A02</i>
20.000	Colour change	Colour	Light	4
40.000	Colour change	Colour	Light	4
70.000	Colour change	Colour	Moderate	3
100.000	Colour change	Colour	Moderate	3

NB. The results reported in the tables above refer to a test analysis of the samples submitted.

End of Test Report.