



To the request of **Janusfabrikken AS, N-5267 Espeland, Stephansensvei 35, Norway** laboratory tests have been performed according to:

TEST REPORTNo.: 253-1/12Client code: 021/12Work order No.: 68-1/12**GENERAL DATA**Date of receipt: 14.02.2012.Date of test end: 21.03.2012.

Test specimen: Knitted fabric
 Article: 4452
 Colour: Black
 Sampling: On the delivered sample of the knitted fabric
 Laboratory mark of sample: 176-1/12

TEST RESULTS

TEST PARAMETER (Test method)	REQUIREMENTS according to HRN EN ISO 11612 / ISO 13688 / HRN EN 340	RESULTS	REMARK
1. pH value of aqueous extract: (HRN EN ISO 3071)	3,5 – 9,5	6,0	pass
2. Colour fastness: 2.1 Perspiration – alkaline: (HRN EN ISO 105 – E04) 2.2 Perspiration – acidic: (HRN EN ISO 105 – E04)	> 4 > 4	Black 4-5 / 4-5 / 4-5 4-5 / 4-5 / 4-5	pass pass
3. Dimensional change after 5 washing cycles at 40 °C: (HRN EN ISO 5077, HRN EN ISO 6330-6A, drying C)	across length: max. 5 % across width: max. 5 %	- 1,0 % + 2,0 %	pass
4. Determination of certain aromatic amines derived from azo colorants: (HRN EN 14362-1, HRN EN 14362-2, method HPTLC)	not detectable	not detected	pass
5. Bursting resistance – hydraulic method (at 7,3 cm ² surface), (kPa): (HRN EN ISO 13938-1; HRN EN ISO 6330-6A, drying C)	min. 200	581	pass

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<p>6. Limited flame spread:</p> <p>6.1 Surface ignition – initial: (HRN EN ISO 15025, method A)</p>	<ul style="list-style-type: none"> - no flaming to the top or either side edge - no hole formation - no flaming, melting or molten debris - afterflame time ≤ 2 s - afterglow time ≤ 2 s 	<ul style="list-style-type: none"> - no flaming to the top or either side edge - no hole formation - no flaming, melting or molten debris - afterflame time 0 s - afterglow time 0 s 	<p>pass A1</p>
<p>6.2 Surface ignition – after 5 washing cycles at 40 °C: HRN EN ISO 15025, method A; HRN EN ISO 6330-6A, drying C)</p>	<ul style="list-style-type: none"> - no flaming to the top or either side edge - no hole formation - no flaming, melting or molten debris - afterflame time ≤ 2 s - afterglow time ≤ 2 s 	<ul style="list-style-type: none"> - no flaming to the top or either side edge - no hole formation - no flaming, melting or molten debris - afterflame time 0 s - afterglow time 0 s 	<p>pass A1</p>
<p>6.3 Bottom - edge ignition – initial: (HRN EN ISO 15025, method B)</p>	<ul style="list-style-type: none"> - no flaming to the top or either side edge - no flaming, melting or molten debris - afterflame time ≤ 2 s - afterglow time ≤ 2 s 	<ul style="list-style-type: none"> - no flaming to the top or either side edge - no flaming, melting or molten debris - afterflame time 0 s - afterglow time 0 s 	<p>pass A2</p>
<p>6.4 Bottom - edge ignition – after 5 washing cycles at 40 °C: HRN EN ISO 15025, method B; HRN EN ISO 6330-6A, drying C)</p>	<ul style="list-style-type: none"> - no flaming to the top or either side edge - no flaming, melting or molten debris - afterflame time ≤ 2 s - afterglow time ≤ 2 s 	<ul style="list-style-type: none"> - no flaming to the top or either side edge - no flaming, melting or molten debris - afterflame time 0 s - afterglow time 0 s 	<p>pass A2</p>
<p>7. Convective heat resistance, after 5 washing cycles at 40 °C: (ISO 17493[#], 5 minutes at (180 ± 5) °C, HRN EN ISO 6330 6A, drying C)</p>	<ul style="list-style-type: none"> - no ignition - no melting - max. shrinkage 5 % 	<ul style="list-style-type: none"> - no ignition - no melting - dimensional change: across length: - 3,5 % across width: + 2,5 % 	<p>pass</p>
<p>8. Heat transmission on exposure to flame after 5 washing cycles at 40 °C, (s):¹⁾ (ISO 9151[#]; HRN EN ISO 6330-6A, drying C)</p>	<p>min. 4,0 max. < 10,0</p>	<p>8,0</p>	<p>pass B1</p>
<p>9. Heat transmission on exposure to radiant heat after 5 washing cycles at 40 °C, (s):¹⁾ (HRN EN ISO 6942, method B[#], at 10 kW/m²; HRN EN ISO 6330-6A, drying C)</p>	<p>min. 7,0 max. < 20,0</p>	<p>14,8</p>	<p>pass C1</p>

¹⁾ Test results of accredited subcontractor laboratory STFI, Test Report No. 2012 0447

Note: The test results are arithmetic mean of individual measurements and refer only to the delivered specimen. Individual test values of each test parameter can be given on request.
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We can't be held responsible for the translation of this document.

Zagreb, 21.03.2012.

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