

Test Report

Report No.: A 988120-1



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INSTITUTE**

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Chf/leln
Order no.: 988120
No. of appendices: 1

Subject: Samples of gloves, designated: HAUCON summer glove and HAUCON winter glove.(as per info from the assigner).

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 05.07.2021

Method: See Appendix 1.

Period: The testing was completed 04.08.2021

Result: Individual results appear from Appendix 1.

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

Terms: This test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Date/place: 23.08.2021, Danish Technological Institute, Wood and Biomaterials, Textile, Taastrup

Signature: Test responsible

Co-signatory



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Test Methods	Results
<p>Abrasion resistance EN 388:2016, 6.1 Abrasive paper: Klingspor PL31B, Grit 180 Adhesive tape: TESA®56170-0004 Mass: 595 g Nominal pressure: 9 kPa Breakdown point: Hole ≥ 1 mm Test conditions: 21°C, 65%RH</p>	<p>Black fabric inner palm Individual results: 300 - 300 - 300 - 300 rubs</p> <p>Level of performance: 1</p>
<p>Abrasion resistance EN 388:2016, 6.1 Abrasive paper: Klingspor PL31B, Grit 180 Adhesive tape: TESA®56170-0004 Mass: 595 g Nominal pressure: 9 kPa Breakdown point: 1 broken thread Test conditions: 21°C, 65%RH</p>	<p>Linning Individual results: <100 - <100 - <100 - <100 rubs</p> <p>Level of performance: Lower than the performance level</p>
<p>Abrasion resistance EN 388:2016, 6.1 Abrasive paper: Klingspor PL31B, Grit 180 Adhesive tape: TESA®56170-0004 Mass: 595 g Nominal pressure: 9 kPa Breakdown point: 1 broken thread Test conditions: 21°C, 65%RH</p>	<p>Black knitted fabric Individual results: 100 - 100 - 100 - 100 rubs</p> <p>Level of performance: 1</p>
<p>Abrasion resistance EN 388:2016, 6.1 Abrasive paper: Klingspor PL31B, Grit 180 Adhesive tape: TESA®56170-0004 Mass: 595 g Nominal pressure: 9 kPa Breakdown point: 1 broken thread Test conditions: 21°C, 65%RH</p>	<p>Yellow knitted fabric Individual results: 100 - 100 - 100 - 100 rubs</p> <p>Level of performance: 1</p>
<p>Tear resistance EN 388:2016, 6.4 Gauge length: Warp direction: 10 mm Weft direction: 10 mm Rate of elongation: Warp direction: 100 mm/min Weft direction: 100 mm/min Test conditions: 21°C, 65%RH</p>	<p>Black fabric inner palm Direction of the glove from cuff to fingertips: Individual results: 26.32 – 25.95 N</p> <p>Across the palm width: Individual results: 63.28 – 49.99 N</p> <p>Level of performance: 3</p>

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Test Methods	Results
Tear resistance EN 388:2016, 6.4 Gauge length: Warp direction: 10 mm Weft direction: 10 mm Rate of elongation: Warp direction: 100 mm/min Weft direction: 100 mm/min Test conditions: 21°C, 65%RH	Yellow knitted fabric: Direction of the glove from cuff to fingertips: Individual results: 83.55 – 89.96 N Across the palm width: Individual results: 46.32 – 63.22 N Level of performance: 2
Tear resistance EN 388:2016, 6.4 Gauge length: Warp direction: 10 mm Weft direction: 10 mm Rate of elongation: Warp direction: 100 mm/min Weft direction: 100 mm/min Test conditions: 21°C, 65%RH	Lining Direction of the glove from cuff to fingertips: Individual results: 26.20 – 23.13 N Across the palm width: Individual results: 36.23 – 27.14 N Level of performance: 2
Blade Cut resistance EN 388: 2013 + A1:2018, 6.2 levels of performance *	HAUCON glove winter model left Individual results: 1.84 – 1.80 – 1.89 – 2.00 – 2.00 Index I: 1.9 HAUCON glove winter model Right Individual results: 2.00 – 2.06 – 2.11 – 2.00 – 2.00 Index I: 2.0 Level of performance: 1
Blade Cut resistance EN 388: 2013 + A1:2018, 6.2*	HAUCON glove summer model left Individual results: 1.53 – 1.53 – 1.53 – 1.60 – 1.60 Index I: 1.6 HAUCON glove summer model Right Individual results: 1.75 – 1.75 – 1.75 – 1.63 – 1.71 Index I: 1.7 Level of performance: 1
Puncture resistance EN388:2016+ A1:2018, 6.5*	HAUCON glove winter model Individual results: 67.6 – 71.3 – 70.6 – 56.8 Level of performance: 1
Puncture resistance EN388:2016+ A1:2018, 6.5*	HAUCON glove summer model Individual results: 44.0 – 37.1 – 39.6 – 40.8 Level of performance: 1

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Test Methods	Results																																			
Water penetration EN 511:2006, 5.3*	HAUCON glove winter model <table border="1"> <thead> <tr> <th>Sample</th> <th>Size</th> <th>Result</th> <th>UoM</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8</td> <td>Leak detected instantly in both hands when submerged in water</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>8</td> <td>Leak detected instantly in both hands when submerged in water</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>8</td> <td>Leak detected instantly in both hands when submerged in water</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>10</td> <td>Leak detected instantly in both hands when submerged in water</td> <td>N/A</td> <td>Level 0</td> </tr> <tr> <td>5</td> <td>10</td> <td>Leak detected instantly in both hands when submerged in water</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>10</td> <td>Leak detected instantly in both hands when submerged in water</td> <td></td> <td></td> </tr> </tbody> </table>	Sample	Size	Result	UoM	Result	1	8	Leak detected instantly in both hands when submerged in water			2	8	Leak detected instantly in both hands when submerged in water			3	8	Leak detected instantly in both hands when submerged in water			4	10	Leak detected instantly in both hands when submerged in water	N/A	Level 0	5	10	Leak detected instantly in both hands when submerged in water			6	10	Leak detected instantly in both hands when submerged in water		
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Dexternity DS/EN 420 metode §6.2, table 4 <table border="1"> <thead> <tr> <th>Level of performance</th> <th>Smallest diameter of pin fulfilling test conditions mm</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>11</td> </tr> <tr> <td>2</td> <td>9,5</td> </tr> <tr> <td>3</td> <td>8</td> </tr> <tr> <td>4</td> <td>5,5</td> </tr> <tr> <td>5</td> <td>5</td> </tr> </tbody> </table>	Level of performance	Smallest diameter of pin fulfilling test conditions mm	1	11	2	9,5	3	8	4	5,5	5	5	HAUCON glove summer model Level of performance: 5 HAUCON glove winter model Level of performance: 5
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