

## TECHNICAL SHEET

# **HAGFORS** – trousers

#### Description

- 2 wide front pockets,
- double back pocket with velcro,
- hammer loop,
- knee and leg ergonomic design,
- reflex inserts,
- rule pocket,
- side pocket with double opening (with velcro and zip closure),
- stretch fabric.



#### Maintenance

Maximum wash temperature: 40 °C; Do not bleach; Dry clean with solvents on point F plus Tetrachloroethylene; Tumble drying possible - Drying at lower temperature; Ironing at low temperature (max 110 °C).













|      | V592-0-02 NAVY/ BLACK      |
|------|----------------------------|
| Item | V592-0-04 ANTHRACITE/BLACK |
|      | V592-0-05 BLACK/BLACK      |

EN ISO 13688:2013 Standards:





Sizes 44 - 64Sizes Long L 33 - L 38 Sizes Short S 36 - S 41

### SAFETY TECHNICAL SPECIFICATIONS

|                      | Test method                              | Description                                    | Cofra result                       | Minimum requirement / range |
|----------------------|--|--|------------------------------------|-----------------------------|
| Background<br>fabric | EN ISO 1833-1977, SECTION 10             | Composition:                                   | 94% nylon<br>6% elastane           |                             |
|                      | EN ISO 12127:1996                        | Fabric mass per unit area                      | 250 g/m <sup>2</sup>               |                             |
|                      | EN ISO 13688:2013<br>4.2<br>(ISO 3071)   | The pH's determination from the watery extract | OEKO-TEX <sup>®</sup> Standard 100 | 3,5 ≤pH≤ 9,5                |
|                      | EN ISO 13688:2013<br>4.2<br>(EN 14362-1) | Search of the aromatic and carcinogenic amines | OEKO-TEX <sup>®</sup> Standard 100 | ≤30 ppm                     |
|                      | EN ISO 13688:2013<br>5.3<br>(ISO 5077)   | Dimensional change to washing (40°C)           | warp: -1.2%<br>weft: 0.7%          | ±3%                         |
|                      | ISO 105-X12                              | Colour fastness to rubbing                     | Dry: 4-5<br>Wet: 4-5               | 1-5                         |

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| ISO 105-C06         | Colour fastness to Laundering at   |                     |                         |                    |  |
|---------------------|--|---------------------|-------------------------|--------------------|--|
|                     | 40°C   |                     |                         |                    | 1-5  |
|                     | Colour change  | 4-5                 |                         |                    |  |
|                     | Staining:  |                     |                         |                    |  |
|                     | diacetate  | 4-5                 |                         |                    |  |
|                     | cotton   | 4-5                 |                         |                    |  |
|                     | nylon  | 4-5                 |                         |                    |  |
|                     | polyester  | 4-5                 |                         |                    |  |
|                     | acrylic  | 4-5                 |                         |                    |  |
|                     | wool   | 4-5                 |                         |                    |  |
| ISO 105 D01         | Colour fastness to to dry cleaning   |                     |                         |                    | 1-5  |
|                     | Colour change  | 4-5                 |                         |                    |  |
|                     | Staining:  |                     |                         |                    |  |
|                     | diacetate  | 4-5                 |                         |                    |  |
|                     | cotton   | 4-5                 |                         |                    |  |
|                     | nylon  | 4-5                 |                         |                    |  |
|                     | polyester  | 4-5                 |                         |                    |  |
|                     | acrylic  | 4-5                 |                         |                    |  |
|                     | wool   | 4-5                 |                         |                    |  |
| ISO 105 E04         | Colour fastness to perspiration  | Acidic              | Alkaline                |                    | 1-5  |
| 100 100 204         | Colour change  | 4-5                 | 4-5                     |                    | 1-3  |
|                     | Staining:  | 4.5                 | 4.5                     |                    |  |
|                     | diacetate  | 4-5                 | 4-5                     |                    |  |
|                     | cotton   | 4-5                 | 4-5                     |                    |  |
|                     | nylon  | 4-5<br>4-5          | 4-5<br>4-5              |                    |  |
|                     | polyester  | 4-5<br>4-5          | 4-5<br>4-5              |                    |  |
|                     | acrylic  | 4-5<br>4-5          | 4-5<br>4-5              |                    |  |
|                     | wool   | 4-5                 | 4-5                     |                    |  |
|                     | Wool   | 40                  | 40                      |                    |  |
| EN ISO 105-X11      | Colour fastness to hot pressing (110°C);                                     |                     |                         |                    | 1-5  |
|                     | Colour change  | Dry: 4-5            |                         |                    |  |
|                     |  | Wet: 4-5            |                         |                    |  |
| ISO 105-B02         | Colour fastness to light   |                     |                         |                    |  |
|                     | Colour change:   | 4                   |                         |                    | 1-5  |
| EN ISO 13934-1      | Tensile strength   | warp: 1400          | N                       |                    |  |
|                     | -  | weft: 1300          | N                       |                    |  |
| EN ISO 13937-2      | Tear strenght  | warp: 51 N          | ١                       |                    |  |
|                     |  | weft: 88 N          | N                       |                    |  |
| ISO 12947-2         | Determination of the abrasion resistance of fabrics by the Martindale method | >30000 cycles       |                         |                    |  |
| EN 343:2003+A1:2007 | Water vapour resistance  | Class 3             |                         | CLASS 1            | R <sub>et</sub> > 40                             |
|                     | _ 2 _ 2  |                     | 2                       |                    |  |
|                     | R <sub>et</sub> [m <sup>2</sup> Pa/W]  | R. = 5 65 In        | n <sup>∠</sup> Pa/\\/\1 | CLASS 3            | 20 < R 10  |
| 4.3<br>(EN 31092)   | R <sub>et</sub> [m² Pa/W]  | $R_{et} = 5,65 [n]$ | n² Pa/W]                | CLASS 2<br>CLASS 3 | 20 < R <sub>et</sub> < 40<br>R <sub>et</sub> <20 |

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| ASTM D3107-07 | Properties of Fabrics Woven from<br>Stretch Yarns stretch properties |                            |
|---------------|--|----------------------------|
|               | Elongation   | warp: 22%<br>weft: 22%     |
|               | Elongation recovery  | warp: 91,5%<br>weft: 91,5% |