








**HAGFORS – trousers**

<p><b>Description</b></p>	<ul style="list-style-type: none"> <li>• 2 wide front pockets,</li> <li>• double back pocket with velcro,</li> <li>• hammer loop,</li> <li>• knee and leg ergonomic design,</li> <li>• reflex inserts,</li> <li>• rule pocket,</li> <li>• side pocket with double opening (with velcro and zip closure),</li> <li>• stretch fabric.</li> </ul>		
<p><b>Maintenance</b></p>	<p>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).</p> <div style="display: flex; justify-content: space-around; align-items: center;">      </div> <div style="text-align: center; margin-top: 10px;">  </div>	<p><b>Item</b></p>	<p>V592-0-02 NAVY/ BLACK V592-0-04 ANTHRACITE/BLACK V592-0-05 BLACK/BLACK</p>
		<p><b>Standards:</b></p>	<p>EN ISO 13688:2013</p> 
		<p><b>Sizes</b> <b>Sizes Long</b> <b>Sizes Short</b></p>	<p>44 – 64 L 33 – L 38 S 36 – S 41</p>

**SAFETY TECHNICAL SPECIFICATIONS**

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

ISO 105-C06	Colour fastness to Laundering at 40°C				1-5
	<i>Colour change</i>	4-5			
	<i>Staining:</i>				
	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
	<i>Colour change</i>	4-5			
	<i>Staining:</i>				
	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
	<i>Colour change</i>	4-5	4-5		
	<i>Staining:</i>				
	diacetate	4-5	4-5		
	cotton	4-5	4-5		
	nylon	4-5	4-5		
	polyester	4-5	4-5		
	acrylic	4-5	4-5		
	wool	4-5	4-5		
EN ISO 105-X11	Colour fastness to hot pressing (110°C);				1-5
	<i>Colour change</i>	Dry: 4-5			
		Wet: 4-5			
ISO 105-B02	Colour fastness to light				1-5
	<i>Colour change:</i>	4			
EN ISO 13934-1	Tensile strength	warp: 1400 N			
		weft: 1300 N			
EN ISO 13937-2	Tear strenght	warp: 51 N			
		weft: 88 N			
ISO 12947-2	Determiation of the abrasion resistance of fabrics by the Martindale method	>30000 cycles			
EN 343:2003+A1:2007	Water vapour resistance	Class 3		CLASS 1	$R_{et} > 40$
4.3	$R_{et}$ [m <sup>2</sup> Pa/W]	$R_{et} = 5,65$ [m <sup>2</sup> Pa/W]		CLASS 2	$20 < R_{et} < 40$
(EN 31092)				CLASS 3	$R_{et} < 20$

ASTM D3107-07

Properties of Fabrics Woven from  
Stretch Yarns stretch properties

Elongation

warp : 22%

weft: 22%

Elongation recovery

warp : 91,5%

weft: 91,5%