

TECHNICAL SHEET

| MARIQU | ETA – sweatshirt |
|-------------|---|
| Description | 2 vertical reflex stripes + 2 horizontal stripes, stretch ribbed bottom and cuff, elasticated ribbed insert around the armhole OEKO-TEX[®] Standard 100 |
| Maintenance | Maximum wash temperature: 30 °C; Do not bleach; Do not dry in tumble dryer; Drying in the shade; Do not iron; Do not dry in lean. Item V385-0-00 Yellow V300 Image: Standards: EN ISO 13688:2013 Standards: EN ISO 13688:2013 Image: Standards: EN ISO 13688:2013 V300 Image: Standards: Do not iron; Do not dry in lean. Image: Standards: EN ISO 13688:2013 Image: Standards: EN ISO 13688:2013 V300 Image: Standards: Do not iron; Do not dry in lean. Image: Standards: EN ISO 13688:2013 Image: Standards: EN ISO 13688:2013 V300 Image: Standards: Do not iron; Do not tree Image: Standards: EN ISO 13688:2013 Image: Standards: EN ISO 13688:2013 Image: Standards: Do not iron; Do not tree Image: Standards: EN ISO 20471:2013/A1:2016 Image: Standards: EN ISO 20471:2013/A1:2016 Image: Standard Image: Standards: Do not iron; Do not tree Image: Standards: EN ISO 20471:2013/A1:2016 Image: Standards: EN ISO 20471:2013/A1:2016 Image: Standard Image: Standards: Do not iron; Do not tree Image: Standards: En Iso 20471:2013/A1:2016 Image: Standards: En Iso 20471:2013/A1:2016 Image: Standards: Standard |
| | Sizes S – 4XL |

SAFETY TECHNICAL SPECIFICATIONS

| | Test method | Description | Cofra result | Minimum requirement / range |
|----------------------|---|--|----------------------|-----------------------------|
| Background fabric | EN ISO 1833-1977, SECTION 10 | Composition: | 100% polyester | |
| | EN ISO 12127:1996 | Fabric mass per unit area | 320 g/m ² | |
| | EN ISO 13688 :2013 4.2 (EN 14362-1) | Search of the aromatic and carcinogenic amines | Not recording | <i>≤30 ppm</i> |
| | EN ISO 13688 :2013 4.2 (ISO 3071) | the pH's determination from the watery extract | pH=6.7 | 3,5 ≤pH≤ 9,5 |

Made by Workwear Technical Dept.

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| FRA | | | | | |
|----------------------------|------------------------------------|----------------------------|--------------|------------------|--|
| O WORK TE | CHNICAL SHEET | | | | |
| EN ISO 20471:2013 | - Chromaticity and luminance of | x = 0.381 y= | 0.550 | co-ord x | co-ord y |
| 5.1 | new material | β _{min} = 1.05 | | 0.387 | 0.610 |
| | | | | 0.356 | 0.494 |
| 5.2 | - Chromaticity and luminance after | x = 0.385 y= | 0.532 | 0.398 | 0.452 |
| (ISO 105 B02) | Xenon test | $\beta_{min} = 0.97$ | | 0.460 | 0.540 |
| 7.5.1 | -Chromaticity and luminance after | • | 0.549 | | inance Factor |
| | 25 washes cycles | β _{min} = 1.02 | | | > 0.7 |
| | | · | | , | |
| | | | Chromaticity | - ISO 20471:2013 | |
| | | 0.650 1 | | | |
| | | | • | | |
| | | 0.600 - | | | |
| | | 0.550 - | | | - Yellow |
| | | > | 4 | 0 | After Xenon |
| | | 0.500 - | 0 | | As Received After Washing |
| | | | | | |
| | | 0.450 - | 0 | | |
| | | 0.400 | | | |
| | | 0,3 | 0.35 0.4 | 0.45 0. | 5 |
| | | | | | |
| EN ISO 20471:2013 | Colour fastness to rubbing | DRY | | DR | Y |
| 5.3.1 | Staining | 4-5 | | 4 | |
| (ISO 105-X12) | - | | | | |
| | | | | | |
| EN ISO 20471:2013 | Colour fastness to perspiration | Acidic | Alkaline | | |
| 5.3.2 | Colour change | 4-5 | 4-5 | Colour cha | ange: 4 |
| (ISO 105-E04) | Staining: | | | Stainir | ng: 4 |
| | 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 20471:2013 | Colour fastness to Laundering at | | | | |
| 5.3.3 | 40°C | | | Colour cha | nge: 4-5 |
| (ISO 105-C06) | Colour change | 4-5 | | Stainir | ng: 4 |
| | Staining: | | | | |
| | diacetate | 4 | | | |
| | cotton | 4-5 | | | |
| | nylon | 4 | | | |
| | polyester | 4-5 | | | |
| | acrylic | 4-5 | | | |
| | wool | 4-5 | | | |
| | | Worst 0.00/ | | ~ | 7/ |
| EN ISO 20471:2013 | Dimensional change to washing | warp: -2.0% weft: -0.5% | | ±39 | 70 |
| 5.4.1 | | wen0.3% | | | |
| (ISO 5077) | | | | | |
| EN ISO 20471:2013 | Hydraulic method for determination | 1020 KPa | | >2001 | KPa |
| EN ISO 20471:2013 5.5.2 | of bursting strength and bursting | IUZU NPa | | >2001 | n-a |
| (ISO 13938-1) | distension | | | | |
| (130 1330-1) | | | | | |

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| BORN T | | NICAL SHEET | | |
|---------------|---|---|---|--|
| BURN | EN ISO 20471:2013 5.6.3 (EN 31092) | Measurement of the thermal resistance and water vapor R _{ct} [m ² K/W] R _{et} [m ² Pa/W] | $R_{ct} = 0.0789 \text{ m}^{2}\text{K/W}$ $R_{et} = 6.2 \text{ m}^{2} \text{ Pa/W}$ $i_{mt} 0.76$ | Index of permeability to water ∨apor <i>i_{mt} ≥0.15</i> |
| | EN 14058 :2004 4.2 (EN 31092) | Measurement of thermal resistance under steady-state conditions | Class 1 R _{ct} = 0.0789 m ² K/W | CLASS 1 $0.06 \le R_{ct} < 0.12$ CLASS 2 $0.12 \le R_{ct} < 0.18$ CLASS 3 $0.18 \le R_{ct} < 0.25$ |
| Ribbed fabric | EN ISO 1833-1977, SECTION 10 | Composition: | 100% polyester | |
| | EN ISO 12127:1996 | Fabric mass per unit area | 380 g/m ² | |
| | EN ISO 13688 :2013 4.2 (EN 14362-1) | Search of the aromatic and carcinogenic amines | Not recording | ≤30 ppm |
| | EN ISO 13688 :2013 4.2 (ISO 3071) | the pH's determination from the watery extract | pH=9.0 | 3,5 ≤pH≤ 9,5 |
| | EN ISO 20471:2013 5.1 | - Chromaticity and luminance of new material | x = 0.385 y = 0.559 $\beta_{min} = 1.14$ | co-ord x co-ord y 0.387 0.610 0.356 0,494 |
| | 5.2 (ISO 105 B02) | Chromaticity and luminance after Xenon test Chromaticity and luminance after | x = 0.392 y= 0.544 $\beta_{min} = 1.04$ | 0.398 0,452 0.460 0,540 Minimum Luminance Factor |
| | 7.5.1 | washes cycles | x = 0.384 y=0.558 $\beta_{min} = 1.11$ | $\beta_{min} > 0.7$ |
| | EN ISO 20471:2013 5.3.1 (ISO 105-X12) | Colour fastness to rubbing Staining: | Dry: 4-5 | Dry: Staining: 4 |
| | EN ISO 20471:2013 5.3.2 (ISO 105-E04) | Colour fastness to perspiration Colour change Staining: | Acidic Alkaline 4-5 4-5 | Colour change: 4 Staining: 4 |
| | | diacetate cotton nylon polyester acrylic wool | 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 | |
| | EN ISO 20471:2013 5.3.3 | Colour fastness to Laundering at 40°C | 4-0 4-0 | Colour change: 4-5 |
| | (ISO 105-C06) | Colour change Staining: diacetate | 4-5 | Staining: 4 |
| | | cotton nylon polyester | 4-5 4 4-5 | |
| | | acrylic wool | 4-5 4-5 4-5 | |

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| BORN TO | | VICAL SHEET | | |
|------------------------|--|--|--|---|
| BORN | EN ISO 20471:2013 5.4.1 (ISO 5077) | Dimensional change to washing | warp: -0.3% weft: -0.9% | ±3% |
| | EN ISO 20471:2013 5.5.2 (ISO 13938-1) | Hydraulic method for determination of bursting strength and bursting distension | 1040 KPa | >200KPa |
| | EN ISO 20471 5.6.3 (EN 31092) | Water vapor resistance R _{et} [m ² Pa/W] | R _{et} = 4.54 [m ² Pa/W] | R _{et} ≤ 5 [m ² Pa/W] |
| | ISO 12945-2 | Determination of fabric propensity to surface fuzzing and to pilling | after 5 cycles after 125 cycles: 4-5 after 500 cycles: 4-5 after 1000 cycles: 4-5 after 2000 cycles: 4-5 | 1-5 |
| Reflex D1001 | EN ISO 20471 :2013 6.1 | Retro reflective performance requirements of new material | PASS | |
| | EN ISO 20471 :2013 6.2 | Requirements of retro reflective performance after tests for abrasion, flexion, folding at cold temperature, temperature variations, washing (25 cycles ISO 6330 at 60°C) and rain influence. | PASS | R´≥100 cd/(lx m²) |
| MARIQUETA | EN ISO 20471:2013 4.1 * At least (50±10)% of the minimum area of visible background material shall be on the front part of garments | Minimum required areas of visible material in m ² Size S | Class 3 Background material front part (fluorescent) 0.43 m ² Background material back part (fluorescent) 0.44 m ² Background material total (fluorescent) 0.87 m ² Retro reflective material 0.25 m ² * Maximum areas for logos, lettering, labels, etc. 0.07 m ² | Background material $CLASS \ 3 = 0.80m^2$ $CLASS \ 2 = 0.50m^2$ $CLASS \ 1 = 0.14m^2$ Retro reflective material $CLASS \ 3 = 0.20 \ m^2$ $CLASS \ 2 = 0.13 \ m^2$ $CLASS \ 1 = 0.10 \ m^2$ |

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