


## TECHNICAL DATA SHEET GOWAN / ECHO BLUE

Modified on: 2023-01-06  
Created on: 2023-01-17  
Report number: TG23000543X1  
TG23000115X1

| FABRIC DETAILS            |                              |               |        |
|---------------------------|------------------------------|---------------|--------|
| Composition:              | Polyester / Viscose 95% / 5% |               |        |
| Weight g/m:               | 305 g/m                      | Width:        | 150 cm |
| Weight g/m <sup>2</sup> : | 203 g/m <sup>2</sup>         | Usable width: | 147 cm |
| Weave:                    | Plain                        | Density:      | -      |
|                           |                              | WARP          | WEFT   |
| Yarn count:               | -                            |               | -      |

| COLOUR FASTNESS         |         | REFERENCE        | COLOR CHANGE          | STAIN                       |     |                             |      |     |     |
|-------------------------|---------|------------------|-----------------------|-----------------------------|-----|-----------------------------|------|-----|-----|
|                         |         |                  |                       | A                           | C   | N                           | P    | AC  | W   |
| To washing:             |         | ISO 105-C06:2010 | 4-5                   | 4-5                         | 4-5 | 4-5                         | 4-5  | 4-5 | 4-5 |
| To dry cleaning:        |         | ISO 105-D01:2010 | 4-5                   | 4-5                         | 4-5 | 4-5                         | 4-5  | 4-5 | 4-5 |
| To perspiration:        | Acid    | ISO 105-E04:2013 | 4-5                   | 4-5                         | 4-5 | 4-5                         | 4-5  | 4-5 | 4-5 |
|                         | Alcalic | ISO 105-E04:2013 | 4-5                   | 4-5                         | 4-5 | 4-5                         | 4-5  | 4-5 | 4-5 |
|                         |         |                  |                       | WARP                        |     |                             | WEFT |     |     |
| To dry rubbing:         |         | ISO 105-X12:2016 |                       | 4-5                         |     |                             | 4-5  |     |     |
| To wet rubbing:         |         | ISO 105-X12:2016 |                       | 4-5                         |     |                             | 4-5  |     |     |
|                         |         |                  | COLOUR CHANGE AT ONCE | COLOUR CHANGE AFTER 4 HOURS |     | STAINING ON COTTON ADJACENT |      |     |     |
| To hot pressing         | Dry     | ISO 105-X11:1994 | 4-5                   | 4-5                         |     |                             |      |     |     |
|                         | Damp    | ISO 105-X11:1994 | 4-5                   | 4-5                         |     | 4-5                         |      |     |     |
|                         | Wet     | ISO 105-X11:1994 | 4-5                   | 4-5                         |     | 4-5                         |      |     |     |
| To non-chlorine bleach: |         | AATCC TS-001     |                       | 4-5                         |     |                             |      |     |     |
| To light:               |         | ISO 105-B02:2014 |                       | 4                           |     |                             |      |     |     |

A - acetate C - cotton N - nylon P - polyester AC - acrylic W - wool

| CARE INSTRUCTION               |                    | REFERENCE  | COLOR | PILING | DEFECTS    | CONCLUSION                      |
|--------------------------------|--------------------|--|-------|--------|------------|---------------------------------|
| Appearance after washing:      | After one wash     | ISO 6330:2012  | 4-5   | 4-5    | No defects | General appearance satisfactory |
|                                | After three washes | ISO 6330:2012  | 4-5   | 4-5    | No defects | General appearance satisfactory |
| Appearance after dry cleaning: |                    | ISO 3175-2:2010  | 4-5   | 4-5    | No defects | General appearance satisfactory |
| Care pictograms:               |                    |  |       |        |            |                                 |

| PACKING      |        |           |   |
|--------------|--------|-----------|---|
| Roll length: | ~ 50 m | Wrapping: | Carton tubes inside, polybags & woven bags outside; each packing layer labelled |

|                  |            |
|------------------|------------|
| HS customs code: | 5515119000 |
|------------------|------------|

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| PHYSICAL PROPERTIES                    |                               | REFERENCE                                    | WARP                |     |           |            | WEFT                |      |            |  |
|--|-------------------------------|--|---------------------|-----|-----------|------------|---------------------|------|------------|--|
| Seam slippage:                         | Seam opening at 6mm           | ISO 13936-1:2004                             | > 200 N             |     |           |            | >200 N              |      |            |  |
|  | Seam strenght                 | ISO 13936-1:2004                             | >200 N (STB)        |     |           |            | >200 N (STB)        |      |            |  |
| Dimensional stability to washing:      |                               | ISO 3758:2011/ISO 5077:2007/ISO 6330:2021    | Negligible          |     |           |            | Negligible          |      |            |  |
| Dimensional stability to dry cleaning: |                               | ISO 3759:2011/ISO 5077:2007, ISO 3175 2:2017 | -0,7 %              |     |           |            | -0,2 %              |      |            |  |
| Dimensional stability to steam:        |                               | ISO 3005:1978                                | -0,8 %              |     |           |            | -0,5 %              |      |            |  |
| Tear strenght:                         |                               | ISO 13937-2:2000                             | 1,6×10 <sup>2</sup> |     |           |            | 1,5×10 <sup>2</sup> |      |            |  |
| Tensile strenght:                      |                               | ISO 13934-2:2014                             | 770 N               |     |           |            | 730 N               |      |            |  |
| Elongation:                            |                               | ISO 13934-2:2014                             | 33,4 %              |     |           |            | 37,0 %              |      |            |  |
|  |                               |  | CYCLES              |     |           |            |                     |      |            |  |
|  |                               |  | 125                 | 500 | 1000      | 2000       | 5000                | 7000 | 10800      |  |
| Pilling:                               |                               | ISO 12945-2:2000                             | 4                   | 4   | 4         | 4          | 4                   | 3-4  | -          |  |
|  |                               |  | Elongation          |     | UN (1min) | UN (30min) | RE (1min)           |      | RE (30min) |  |
| Stretch properties:                    | Warp                          | EN14704-1:2005                               | -                   | -   | -         | -          | -                   | -    |            |  |
|  | Weft                          | EN14704-1:2005                               | -                   | -   | -         | -          | -                   | -    |            |  |
|  | Length - specified load       | EN14704-1:2005                               | -                   | -   | -         | -          | -                   | -    |            |  |
|  | Width - specified load        | EN14704-1:2005                               | -                   | -   | -         | -          | -                   | -    |            |  |
|  | Length - specified elongation | EN14704-1:2005                               | -                   | -   | -         | -          | -                   | -    |            |  |
|  | Width - specified elongation  | EN14704-1:2005                               | -                   | -   | -         | -          | -                   | -    |            |  |
| Spirality:                             | After drycleaning             | ISO 3175-2:2010                              | 0,4 %               |     |           |            |                     |      |            |  |
|  | After laundering              | ISO 16322 2:2021                             | 0,0 %               |     |           |            |                     |      |            |  |
| Abrasion resistance:                   |                               | ISO 12947-2:2016                             | > 30000 Cycles      |     |           |            |                     |      |            |  |

FB - Fabric Broken STB - Sewing Thread Broken FBS - Fabric Broken at Seam YPO - Yarn Pull Out UN - Unrecovered Elongation RE - Recovered Elongation  
X - The Seam Opening was less than 6mm, though the ultimate steam strenght was founded as stated Cross Tear - means the force does not proceed along the direction of force