**Technical datasheet** 

## GT P02.05 SC

## Article code: FBGT054980



| General information  |                                   |
|----------------------|-----------------------------------|
| Product group        | High performance flat belts       |
| Product sub type     | Classic                           |
| Industry segment     | Textile                           |
| Main product feature | Abrasion resistant, Energy saving |
| Application          | Spindle tape                      |
|                      |                                   |

| Tension member |
|----------------|

| Top side             | material | Mixed fabric    |
|----------------------|----------|-----------------|
|                      | finish   | Fabric textured |
|                      | color    | black           |
| Bottom / Pulley side | material | NBR elastomer   |
|                      | finish   | smooth          |
|                      | color    | green           |
|                      |          |                 |

Polyamide fabric

| Characteristics      |     |         |
|----------------------|-----|---------|
| Food Grade (FG)      | no  |         |
| Antistatic (AS)      | yes | ISO 284 |
| High conductive (HC) | no  |         |
| ATEX approval        | no  |         |

| Technical data                   |               |                      |         |       |          |         |
|----------------------------------|---------------|----------------------|---------|-------|----------|---------|
| Belt thickness                   | ISO 2286-3    |                      | 0.55    | mm    | 0.02     | in.     |
|                                  | tolerance +/- |                      | 0.1     | mm    | 0        | in.     |
| Weight                           | ISO 290703-1  |                      | 0.55    | kg/m² | 0.11     | lbs/ft² |
| Force at 1% elongation           | ISO 21181     | dynamic              | 1.55    | N/mm  | 8.85     | lbs/in. |
|                                  | ISO 527       | static               | 4       | N/mm  | 22.84    | lbs/in. |
| Recommended elongation           |               | min. / max.          | 0.5 / 2 | %     |          |         |
| Coefficient of friction, dynamic | ISO 21182     | bottom side to steel | 0,6     | μ     |          |         |
|                                  |               | top side to steel    | 0,2     | μ     |          |         |
| Minimum pulley diameter          | flexing       |                      | 10      | mm    | 0.39     | in.     |
|                                  | back flexing  |                      | 10      | mm    | 0.39     | in.     |
| Operating temperature            | continuous    | from / to            | 0 / 80  | °C    | 32 / 176 | °F      |
| Belt width                       | standard      |                      | 600     | mm    | 23.62    | in.     |
|                                  |               |                      |         |       |          |         |

## Fabrication

**Recommended splice method** 

WedgeSkive75D-0.5-1.4

## **Additional Information**

This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F), unless otherwise stated, individual data may differ. Consult our specialists for further instructions regarding joining, storage & maintenance, tracking & tensioning. Consult our specialists for calculations with our E-RappCalc© technical calculation program.

Our material, as well as the packaging, must be disposed of in a professional and environmentally friendly manner.

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