

## GT S09 FC

Article code: FBGT054704

### General information

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>Product group</b>        | High performance flat belts     |
| <b>Product sub type</b>     | Classic                         |
| <b>Industry segment</b>     | General industry                |
| <b>Main product feature</b> | High grip, Flexible             |
| <b>Application</b>          | Power transmission              |
| <b>Indication of use</b>    | Special fine structured surface |

### Belt construction

|                             |                 |                  |
|-----------------------------|-----------------|------------------|
| <b>Tension member</b>       |                 | Polyamide foil   |
| <b>Top side</b>             | <b>material</b> | Polyamide fabric |
|                             | <b>finish</b>   | Fabric textured  |
|                             | <b>color</b>    | blue             |
| <b>Bottom / Pulley side</b> | <b>material</b> | XNBR elastomer   |
|                             | <b>finish</b>   | Fine             |
|                             | <b>color</b>    | Royal blue       |

### Characteristics

|                             |     |          |
|-----------------------------|-----|----------|
| <b>Food Grade (FG)</b>      | no  |          |
| <b>Antistatic (AS)</b>      | yes | ISO 284  |
| <b>High conductive (HC)</b> | no  |          |
| <b>ATEX approval</b>        | yes | ATEX III |

### Technical data

|   |                   |                      |                       |                          |
|---|-------------------|----------------------|-----------------------|--------------------------|
| <b>Belt thickness</b>                   | DIN EN ISO 2286-3 |                      | 1.9 mm                | 0.07 in.                 |
|   | tolerance         | ±                    | 0.1 mm                | 0 in.                    |
| <b>Weight</b>                           | ISO 290703-1      |                      | 2.1 kg/m <sup>2</sup> | 0.43 lbs/ft <sup>2</sup> |
| <b>Force at 1% elongation</b>           | DIN EN ISO 21181  | dynamic              | 9 N/mm                | 51.39 lbs/in.            |
| <b>Recommended elongation</b>           |                   | min. / max.          | 2 / 3 %               |                          |
| <b>Coefficient of friction, dynamic</b> | DIN EN ISO 21182  | bottom side to steel | 0,6 μ                 |                          |
|   |                   | top side to steel    | 0,15 μ                |                          |
| <b>Minimum pulley diameter</b>          | flexing           |                      | 40 mm                 | 1.57 in.                 |
|   | back flexing      |                      | 40 mm                 | 1.57 in.                 |
| <b>Operating temperature</b>            | continuous        | from / to            | 0 / 80 °C             | 32 / 176 °F              |
| <b>Belt width</b>                       | standard          |                      | 570 mm                | 22.44 in.                |

### Fabrication

WedgeSkive75D-1.5-2.8

### 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.

This item contains the following substance included on the candidate list according to article 59 (1, 10) of Regulation (EC) No 1907/2006 „REACH“ in a concentration above 0.1 % weight by weight: 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol [119-47-1]