Technical datasheet

## Flexam EE /1 0+A42 black AS FR

## Article code: SBFL585018



| General information     |                             |                             |                                     |       |          |         |  |
|-------------------------|-----------------------------|-----------------------------|-------------------------------------|-------|----------|---------|--|
| Product group           | Synthetic Belts             |                             |                                     |       |          |         |  |
| Industry segment        | Airports; Logistics         | Airports; Logistics         |                                     |       |          |         |  |
| Main product feature    | Antistatic, Flame retardant | Antistatic, Flame retardant |                                     |       |          |         |  |
| Indication of use       | Slider bed, Rollers, Flat   | Slider bed, Rollers, Flat   |                                     |       |          |         |  |
|                         |                             |                             |                                     |       |          |         |  |
| Belt construction       |                             |                             |                                     |       |          |         |  |
| Tension layer           |                             | polyester, stable           |                                     |       |          |         |  |
| Number of plies         |                             | 1                           |                                     |       |          |         |  |
| Top side                | material                    | Flexam, PVC                 | Flexam, PVC                         |       |          |         |  |
|                         | finish                      | profile, A42 Super          | profile, A42 Supergrip wave profile |       |          |         |  |
|                         | color                       | black                       | black                               |       |          |         |  |
| Bottom side             | material                    | fabric, polyester           | fabric, polyester                   |       |          |         |  |
|                         | finish                      | bare fabric                 | bare fabric                         |       |          |         |  |
|                         | color                       | white                       |                                     |       |          |         |  |
|                         |                             |                             |                                     |       |          |         |  |
| Characteristics         |                             |                             |                                     |       |          |         |  |
| Food Grade (FG)         | no                          |                             |                                     |       |          |         |  |
| Antistatic (AS)         | yes                         | ISO 21178                   |                                     |       |          |         |  |
| High conductive (HC)    | no                          |                             |                                     |       |          |         |  |
| Flame-retardant         | no                          |                             |                                     |       |          |         |  |
|                         | yes                         | ASTM D-378                  |                                     |       |          |         |  |
| ATEX approval           | no                          |                             |                                     |       |          |         |  |
|                         |                             |                             |                                     |       |          |         |  |
| Technical data          |                             |                             |                                     |       |          |         |  |
| Hardness                | ISO 868                     | top side                    |                                     | Shore |          |         |  |
| Thickness               | AB method KV.002            | total                       | 4.00                                | mm    | 0.16     |         |  |
|                         |                             | top cover                   | 3.00                                | mm    | 0.12     | in.     |  |
| Weight                  | AB method KV.004            |                             | 2.7                                 | kg/m² | 0.55     | lbs/ft² |  |
| Coefficient of friction | bottom against steel        | dynamic                     | 0.17                                |       |          |         |  |
|                         |                             | static                      | 0.2                                 |       |          |         |  |
|                         | top against steel           | dynamic                     | > 1.0                               |       |          |         |  |
|                         |                             | static                      | > 1.5                               |       |          |         |  |
| Operating temperature   | continuous                  | from / to                   | 5 / 80                              | °C    | 41 / 176 | °F      |  |
|                         | short                       | from / to                   | 5 / 100                             | °C    | 41 / 212 | °F      |  |
| Minimum pulley diameter | flexing                     |                             | 40                                  | mm    | 1.57     | in.     |  |
|                         | backflexing                 |                             | 50                                  | mm    | 1.97     | in.     |  |
| Manufacturing width     | standard                    |                             | 1700                                | mm    | 66.93    | in.     |  |
|                         | maximum                     |                             | 2080                                | mm    | 81.89    | in.     |  |

## **Definition of typical applications**

Applications that require correction of mistracking due to pushing, pulling, or other processes performed on the belt.

The Self Tracking Belt does not prevent mistracking: it corrects mistracking. Self Tracking Belts should not be used to solve construction failures.

## **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. Minimum required tension of 3% of the belt length is generally sufficient.

For more information about the design of a belt conveyor, see the Technical Information Sheet for Self Tracking Belts.

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