

# Flexam EX 10/2 00+A42 black AS FR /AMD

Article code: SBFL572672

## General information

|                             |                                                       |
|-----------------------------|-------------------------------------------------------|
| <b>Product group</b>        | Synthetic Belts                                       |
| <b>Industry segment</b>     | Airports; Logistics: Distribution & warehousing       |
| <b>Main product feature</b> | Antistatic, Flame retardant, Low noise, Energy saving |
| <b>Indication of use</b>    | Flat, Rollers, Slider bed                             |

## Belt construction

|                        |                 |                                     |
|------------------------|-----------------|-------------------------------------|
| <b>Tension layer</b>   |                 | polyester, stable                   |
| <b>Number of plies</b> |                 | 2                                   |
| <b>Top side</b>        | <b>material</b> | Flexam, PVC                         |
|                        | <b>finish</b>   | profile, A42 Supergrip wave profile |
|                        | <b>color</b>    | black                               |
| <b>Bottom side</b>     | <b>material</b> | Ropanol, PUR                        |
|                        | <b>finish</b>   | impregnated fabric                  |
|                        | <b>color</b>    | transparent                         |

## Characteristics

|                             |     |           |
|-----------------------------|-----|-----------|
| <b>Food Grade (FG)</b>      | no  |           |
| <b>Antistatic (AS)</b>      | yes | ISO 21178 |
| <b>High conductive (HC)</b> | no  |           |
| <b>Flame-retardant</b>      | yes | ISO 340   |
|                             | no  |           |
| <b>ATEX approval</b>        | no  |           |

## Technical data

|                                        |                      |           |                       |                          |
|----------------------------------------|----------------------|-----------|-----------------------|--------------------------|
| <b>Hardness</b>                        | ISO 868              | top side  | 55A Shore             |                          |
| <b>Force at 1% elongation (static)</b> | ISO 21181            |           | 10 N/mm               | 57.1 lbs/in.             |
| <b>Elastic modulus (k1% relaxed)</b>   | ISO 21181            |           | 6.5 N/mm              | 37.12 lbs/in.            |
| <b>Thickness</b>                       | AB method KV.002     | total     | 4.2 mm                | 0.17 in.                 |
|                                        |                      | top cover | 2.7 mm                | 0.11 in.                 |
| <b>Weight</b>                          | AB method KV.004     |           | 4.1 kg/m <sup>2</sup> | 0.84 lbs/ft <sup>2</sup> |
| <b>Coefficient of friction</b>         | bottom against steel | dynamic   | 0.17                  |                          |
|                                        |                      | static    | 0.2                   |                          |
|                                        | top against steel    | dynamic   | > 1.0                 |                          |
|                                        |                      | static    | > 1.5                 |                          |
| <b>Operating temperature</b>           | continuous           | from / to | -15 / 80 °C           | 5 / 176 °F               |
|                                        | short                | from / to | -15 / 100 °C          | 5 / 212 °F               |
| <b>Minimum pulley diameter</b>         | flexing              |           | 40 mm                 | 1.57 in.                 |
|                                        | backflexing          |           | 80 mm                 | 3.15 in.                 |
| <b>Manufacturing width</b>             | standard             |           | 2020 mm               | 79.53 in.                |
|                                        | maximum              |           | 2020 mm               | 79.53 in.                |

## Fabrication

Hot splicing is always preferable. Glueing can only be done when the belt is exposed to normal temperature and the humidity is not excessive. For the working method, consult the splice information and the equipment literature. Apply the recommended splice as indicated in the separate information.

#### 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.

We recommend to keep the belt tension to a practical working minimum to maximize the service life of the belt and machine parts.

Always protect belts from sunlight/UV-radiation, avoid temperatures below 10°C and above 40°C, dust and dirt. Store belts in a cool and dry place and if possible in their original packaging.

For details consult 'Storage and handling instructions' or contact our specialist.