Technical belt data sheet

## Flexam EX 10/2 0+04 black M2 AS



## Article code 589605

| General information |                       |
|---------------------|-----------------------|
| Product group       | Synthetic belts       |
| Market segment      | General handling      |
| Main features       | Antistatic, Low noise |
| Belt support        | Slider bed, Rollers   |

| Belt construction    |            |                  |         |  |  |  |
|----------------------|------------|------------------|---------|--|--|--|
| Fabric tension layer | polyester  | stable           | 2-ply   |  |  |  |
| Topside              | Flexam PVC | M2 Matt finish   | black   |  |  |  |
| Bottomside           | fabric     | fabric structure | natural |  |  |  |

| Characteristics      |     |  |
|----------------------|-----|--|
| Foodgrade (FG)       | no  |  |
| Antistatic (AS)      | yes |  |
| High conductive (HC) | no  |  |
| Flame retardant (FR) | no  |  |
| ATEX approval        | no  |  |

| Technical belt data               |                           |            |       |           |           |  |  |
|-----------------------------------|---------------------------|------------|-------|-----------|-----------|--|--|
| Hardness topside                  | according to ISO 868      | 80A        | shore |           |           |  |  |
| Force at 1% elongation            | according to ISO 21181    | 8.0        | N/mm  | 44.80     | lbs./in.  |  |  |
| Belt thickness                    | internal AB method KV.002 | 2.00       | mm    | 0.079     | in.       |  |  |
| Weight                            | internal AB method KV.004 | 2.10       | kg/m² | 0.430     | lbs./ft.2 |  |  |
| Thickness top cover               |                           | 0.40       | mm    | 0.016     | in.       |  |  |
| Temperature range                 |                           | -10 to 80  | °C    | 14 to 176 | °F        |  |  |
| Temperature range short           |                           | -10 to 100 | °C    | 14 to 212 | °F        |  |  |
| Min. pulley diameter flexing      |                           | 25.0       | mm    | 0.984     | in.       |  |  |
| Min. pulley diameter back flexing |                           | 50.0       | mm    | 1.969     | in.       |  |  |
| Standard belt width               |                           | 2000       | mm    | 78.74     | in.       |  |  |
| Maximum belt width                |                           | 2000       | mm    | 78.74     | in.       |  |  |

## **Endless instructions**

Hot splicing is always preferable. Cold splicing can only be done when the belt is exposed to normal temperatures 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**

The information applies at approx. 20°C (68°F). Keep the belt tension to a minimum for maximum belt and conveyor life. Stated is the belt temperature. The allowable product temperature may vary.

The pulley diameters are valid for a hot spliced belt and at the indicated belt force. Depending on the splice and working conditions (e.g. temperature), different pulley diameters may be possible or necessary. When fasteners are used the minimum diameters are increased by approx. 50%.

Consult our specialists for available profiles and accessories.

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