

## Poliflex ESM 10/2 0+03 transparent AS FG NL

Article code: SBPO512849

### General information

|                      |  |
|----------------------|--|
| Product group        | Synthetic Belts  |
| Industry segment     | Tobacco; Wood: Furniture; Chemicals, rubber & plastics |
| Main product feature | Antistatic, Foodgrade                                  |
| Indication of use    | Slider bed, Rollers, Flat                              |

### Belt construction

|                 |  |
|-----------------|--|
| Tension layer   | polyester, stable  |
| Number of plies | 2  |
| Top side        | <b>material</b> Poliflex, PE<br><b>finish</b> smooth<br><b>color</b> transparent       |
| Bottom side     | <b>material</b> fabric, polyester<br><b>finish</b> bare fabric<br><b>color</b> natural |

### Characteristics

|                  |        |  |
|------------------|--------|--|
| Food Grade (FG)  | yes    | According: FDA; EC 1935/2004, EU 10/2011 |
| Anti-static (AS) | yes    |  |
| ATEX approval    | ATEX 2 |  |

### Technical data

|                         |                           |           |                       |                          |
|-------------------------|---------------------------|-----------|-----------------------|--------------------------|
| Hardness                | according to ISO 868      | top side  | 90A Shore             |                          |
| Force at 1% elongation  | according to ISO 21181    |           | 10 N/mm               | 57.1 lbs/in.             |
| Thickness               | internal AB method KV.002 | total     | 2.10 mm               | 0.08 in.                 |
|                         |                           | top cover | 0.30 mm               | 0.01 in.                 |
| Weight                  | internal AB method KV.004 |           | 1.6 kg/m <sup>2</sup> | 0.33 lbs/ft <sup>2</sup> |
| Operating temperature   | continuous                | from/to   | -20 / 50 °C           | -4 / 122 °F              |
|                         | short                     | from/to   | -50 / 70 °C           | -58 / 158 °F             |
| Minimum pulley diameter | flexing                   |           | 40 mm                 | 1.57 in.                 |
|                         | backflexing               |           | 80 mm                 | 3.15 in.                 |
| Belt width              | standard                  |           | 2020 mm               | 79.53 in.                |
|                         | maximum                   |           | 3200 mm               | 125.98 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) and 50% relative humidity, 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.

Do not go below the initial elongation. Install the belt and tension until running perfectly under the full belt load.

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.