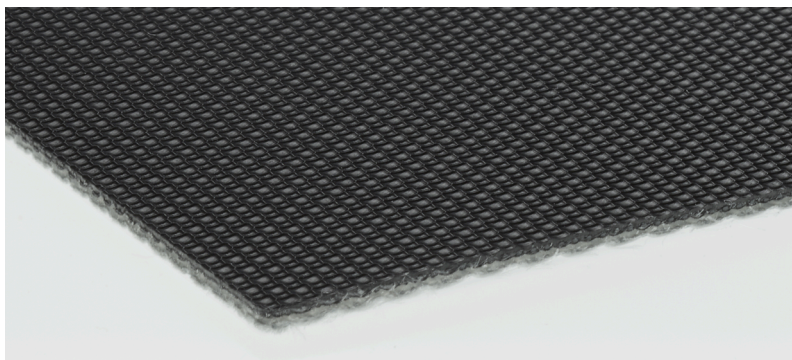


### Product Data Sheet

## E 8/2 U0/U2 STR-HC black



Art. No.: 900154

M 1:2

#### Applications

|                                  |   |
|----------------------------------|---|
| <b>Airport logistics</b>         | X-ray conveyors for airports  |
| <b>Chemistry</b>                 |   |
| <b>General material handling</b> | Horizontal conveying and inclined conveying of small components / bulky goods |

#### Order information

|   |                    |
|---|--------------------|
| <b>Article number</b>                     | 900154             |
| <b>Suitable for corrugated side walls</b> | No                 |
| <b>Standard delivery width</b>            | 2200 mm / 86.61 in |
| <b>Longitudinal seam possible</b>         | Yes                |

### E 8/2 U0/U2 STR-HC black

#### Construction

|                                |   |
|--------------------------------|---|
| <b>Top face material</b>       | Polyurethane                                      |
| <b>Surface pattern</b>         | Normal texture                                    |
| <b>Coating thickness</b>       | 0.2 mm / 0.008 in                                 |
| <b>Color</b>                   | Black (~RAL 9005)                                 |
| <b>Driving face material</b>   | Polyurethane impregnation                         |
| <b>Surface pattern</b>         | Fabric  |
| <b>Color</b>                   | Transparent                                       |
| <b>Tension member material</b> | Laterally stiff fabric of polyester warp and weft |
| <b>Number of fabric plies</b>  | 2   |
| <b>Driving face weave</b>      | Plain weave                                       |

#### Technical data

|   |  |
|---|--|
| <b>Total thickness</b>  | 1.6 mm ± 0.15<br>0.063 in ± 0.006  |
| <b>Weight</b>   | 1.8 kg/m <sup>2</sup> ± 0.2<br>0.369 lbs/ft <sup>2</sup> ± 0.041           |
| <b>k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005</b> | 6 N/mm / 34.26 lbf/in  |
| <b>Recommended Elongation at fitting min.</b>   | 0.3 %  |
| <b>Recommended Elongation at fitting max.</b>   | 1 %  |
| <b>Friction coefficient of driving face against steel panel according ISO 21182</b>                 | 0.16   |
| <b>Permissible operating temperature</b>  | -30/100 °C, for a short time 120 °C<br>-22/212 °F, for a short time 248 °F |
| <b>Hardness of top face coating as per DIN 53505 (Shore A)</b>                                      | 94   |

### E 8/2 U0/U2 STR-HC black

#### Properties

|                           |                                       |
|---------------------------|---------------------------------------|
| Lateral stiffness         | Laterally stiff                       |
| Troughable                | No                                    |
| Suitable for accumulation | No                                    |
| Suitable for knife edges  | No                                    |
| Suitable for curves       | No                                    |
| Flame-retardant           | No                                    |
| Noise development         | Normal                                |
| Belt support              | Slider bed (support rollers possible) |

#### Electrostatic properties

|                   |   |
|-------------------|---|
| Highly conductive | Belt material with electrically conductive antistatic agents. Conductive top and driving face. Resistance of the conductive surface(s) (ROA) < 3 x 10 <sup>8</sup> Ω. Measurement according DIN EN ISO 21178. |
|-------------------|---|

#### Fabrication

|                                    |                    |
|------------------------------------|--------------------|
| Belt edge sealing                  | Smartseal; Proseal |
| Suitable for corrugated side walls | No                 |
| Profiles on top face               | Yes                |
| Profiles on underside              | Yes                |
| Mechanical fasteners               | KS; HS-21          |

#### Minimum drum diameter

|                                   |                |
|-----------------------------------|----------------|
| Z-splice, counter-bending         | 24 mm / 0.9 in |
| Stepped Z-splice, counter-bending | 24 mm / 0.9 in |
| Z-splice, bending                 | 24 mm / 0.9 in |

#### Remarks

|                     |   |
|---------------------|---|
| Chemical resistance | U |
|---------------------|---|

The physical data in this data sheet is approximate, can alter depending on production environments and was

### E 8/2 U0/U2 STR-HC black

established at standard ambient conditions (23°C/73°F, 50% relative humidity) in accordance with DIN 50014/ISO 554. Fluctuations in climate can cause variations. See our brochure "Technical Information 1" no. 317 which shows the types of belts that can be supplied and the manufacturing tolerances. Customised types require written confirmation.

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