

# PHB X 340/3 BBxBB black FR

Article code: RBPH000015

## General information

|                             |                                       |
|-----------------------------|---------------------------------------|
| <b>Productgroup</b>         | Rubber Belts                          |
| <b>Industry segment</b>     | Logistics: Distribution & warehousing |
| <b>Main product feature</b> | Flame retardant, Low noise            |
| <b>Indication of use</b>    | Slider bed, Rollers                   |

## Belt construction

|                          |                 |                                    |
|--------------------------|-----------------|------------------------------------|
| <b>Tension layer</b>     |                 | polyester/polyamide                |
| <b>Lateral stability</b> |                 | yes, exceptionally laterally stiff |
| <b>Number of plies</b>   |                 | 3                                  |
| <b>Top side</b>          | <b>material</b> | impregnated fabric                 |
|                          | <b>color</b>    | black                              |
| <b>Bottom side</b>       | <b>material</b> | impregnated fabric                 |
|                          | <b>color</b>    | black                              |

## Characteristics

|                             |     |            |
|-----------------------------|-----|------------|
| <b>Antistatic (AS)</b>      | no  |            |
| <b>Flame-retardant (FR)</b> | yes | ASTM D-378 |

## Technical data

|                                      |                      |           |                       |                          |
|--------------------------------------|----------------------|-----------|-----------------------|--------------------------|
| <b>Elastic modulus (k1% relaxed)</b> | ISO 21181            |           | 19 N/mm               | 108.49 lbs/in.           |
| <b>Rated working tension</b>         |                      |           | 60 N/mm               | 342.61 lbs/in.           |
| <b>Elongation at rated tension</b>   |                      |           | 2 %                   |                          |
| <b>Longitudinal tear</b>             |                      |           | 3559 N                | 800.1 Lb                 |
| <b>Finished belt gauge</b>           |                      |           | 5.1 mm                | 0.2 in.                  |
| <b>Belt weight</b>                   |                      |           | 6.8 kg/m <sup>2</sup> | 1.39 lbs/ft <sup>2</sup> |
| <b>Coefficient of friction</b>       | bottom against steel | dynamic   | 0.23                  |                          |
|                                      |                      | static    | 0.3                   |                          |
|                                      | top against steel    | dynamic   | 0.2                   |                          |
|                                      |                      | static    | 0.3                   |                          |
| <b>Operating temperature</b>         | continuous           | from / to | -20 / 80 °C           | -4 / 176 °F              |
|                                      | short                | from / to | -20 / 90 °C           | -4 / 194 °F              |
| <b>Minimum pulley diameter</b>       | flexing              |           | 203.2 mm              | 8 in.                    |
| <b>Manufacturing width</b>           | maximum              |           | 1829 mm               | 72.01 in.                |

## Fabrication

|                                |                |
|--------------------------------|----------------|
| <b>Corrugated side walls</b>   | no             |
| <b>Profiles on top side</b>    | yes            |
| <b>Profiles on bottom side</b> | yes            |
| <b>Mechanical fasteners</b>    | Clipper # 3 HT |

## 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 pretension the belt to a level that it does not slip at full belt load.

During the life time of the belt, the pretension should not go below this level.

To maximize the service life of the belt we recommend not to increase the belt tension above this level.

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