

# PTW231 AmTube 508

Article code: EWPT000004

## General information

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| <b>Product group</b>        | endless woven                                                 |
| <b>Industry segment</b>     | Paper & print: Corrugated board                               |
| <b>Main product feature</b> | High grip, Abrasion resistant, Dusty environment, Non-marking |
| <b>Application</b>          | Tube winders                                                  |
| <b>Indication of use</b>    | Abrasive applications, High friction conveying                |

## Belt construction

|                        |                 |                |
|------------------------|-----------------|----------------|
| <b>Tension layer</b>   |                 | polyester      |
| <b>Number of plies</b> |                 | 1              |
| <b>Top side</b>        | <b>material</b> | Ropan, PUR     |
|                        | <b>finish</b>   | GROUND GRIT 40 |
|                        | <b>color</b>    | white          |
| <b>Bottom side</b>     | <b>material</b> | Ropan, PUR     |
|                        | <b>finish</b>   | GROUND GRIT 40 |
|                        | <b>color</b>    | white          |

## Technical data

|                                |              |             |                       |                          |
|--------------------------------|--------------|-------------|-----------------------|--------------------------|
| <b>Hardness</b>                | top cover    | ISO 868     | 70A Shore             |                          |
|                                | bottom cover | ISO 868     | 70A Shore             |                          |
| <b>Force at 1% elongation</b>  |              | ISO 21181   | 50 N/mm               | 285.51 lbs/in.           |
| <b>Thickness</b>               | belt         |             | 8 mm                  | 0.31 in.                 |
|                                | top cover    |             | 3.2 mm                | 0.13 in.                 |
|                                | bottom cover |             | 3.2 mm                | 0.13 in.                 |
| <b>Weight</b>                  |              |             | 7.6 kg/m <sup>2</sup> | 1.56 lbs/ft <sup>2</sup> |
| <b>Length</b>                  |              | from / to   | 2500 / 10000 mm       | 98.43 / 393.7 in.        |
| <b>Width</b>                   |              | min. / max. | 50 / 250 mm           | 1.97 / 9.84 in.          |
| <b>Operating temperature</b>   | continuous   | from / to   | -20 / 90 °C           | -4 / 194 °F              |
|                                | short        | from / to   | -30 / 110 °C          | -22 / 230 °F             |
| <b>Minimum pulley diameter</b> |              |             | 80 mm                 | 3.15 in.                 |

## Tolerances

|                  |         |           |        |          |
|------------------|---------|-----------|--------|----------|
| <b>Length</b>    | ± 0.7 % | minimum ± | 20 mm  | 0.79 in. |
| <b>Width</b>     |         | ±         | 1 mm   | 0.04 in. |
| <b>Thickness</b> |         | ±         | 0.2 mm | 0.01 in. |

## Side view



## Standard AmTube range

| Beltype                 | AmTube 500 series             | AmTube 700 series             |
|-------------------------|-------------------------------|-------------------------------|
| Article code            | GK 1002                       | GK 1752                       |
| Weave                   | broken twill weave            | broken twill weave            |
| Fabric                  | polyester                     | polyester                     |
| Force at 1% elongation  | 50 N/mm                       | 90 N/mm                       |
| Cover                   | PUR: white Ropan 70° Shore A  | PUR: white Ropan 70° Shore A  |
| Coefficient of friction | 0.8                           | 0.8                           |
| Total belt thickness    | 4 - 7 mm                      | 8 - 14 mm                     |
| Tube diameter           | 40 mm and more                | 60 mm and more                |
| Wall thickness          | 2 - 8 mm                      | 4 mm and more                 |
| Necessary belt width    | 10 mm smaller than feed paper | 10 mm smaller than feed paper |
| Min. Tube diameter      | 10x belt thickness            | 10x belt thickness            |
| Temperature resistance  | max. 90 °C                    | max. 90 °C                    |
| Belt length             | 2500 - 70000 mm               | 2500 - 70000 mm               |
| Belt width              | 40 - 800 mm                   | 40 - 800 mm                   |
| Edge finish             | fully closed over min 5.0 mm  | fully closed over min 5.0 mm  |

## 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.