

# AmWrap Special GK1752 AL-ST T2

Article code: EMMW000016

## General information

|                             |                                                                 |
|-----------------------------|-----------------------------------------------------------------|
| <b>Product group</b>        | endless woven                                                   |
| <b>Industry segment</b>     | Metal: Sheet production                                         |
| <b>Main product feature</b> | Heat resistant, Impact resistant, Cut resistant, Wear resistant |
| <b>Application</b>          | Coil Wrapping                                                   |

## 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,         |
|                        | <b>finish</b>   | GROUND GRIT 40 |
|                        | <b>color</b>    | white          |

## Characteristics

|                             |    |
|-----------------------------|----|
| <b>Food Grade (FG)</b>      | no |
| <b>Antistatic (AS)</b>      | no |
| <b>Flame-retardant (FR)</b> | no |

## Technical data

|                                |              |             |                       |                          |
|--------------------------------|--------------|-------------|-----------------------|--------------------------|
| <b>Hardness</b>                | bottom cover | ISO 868     | 80A Shore             |                          |
| <b>Force at 1% elongation</b>  |              | ISO 21181   | 85 N/mm               | 485.36 lbs/in.           |
| <b>Thickness</b>               | belt         |             | 6.5 mm                | 0.26 in.                 |
|                                | top cover    |             | 2.0 mm                | 0.08 in.                 |
| <b>Weight</b>                  |              |             | 9.0 kg/m <sup>2</sup> | 1.84 lbs/ft <sup>2</sup> |
| <b>Length</b>                  |              | min. / max. | 1500 / 50000 mm       | 59.06 / 1968.5 in.       |
| <b>Width</b>                   |              | min. / max. | 300 / 1900 mm         | 11.81 / 74.8 in.         |
| <b>Operating temperature</b>   | continuous   | from / to   | -10 / 80 °C           | 14 / 176 °F              |
|                                | short        | from / to   | -10 / 90 °C           | 14 / 194 °F              |
| <b>Minimum pulley diameter</b> |              |             | 140 mm                | 5.51 in.                 |

## Tolerances

|                  |       |           |        |          |
|------------------|-------|-----------|--------|----------|
| <b>Length</b>    | ± 2 % |           |        |          |
| <b>Width</b>     | ± 2 % | minimum ± | 30 mm  | 1.18 in. |
| <b>Thickness</b> |       | ±         | 0.5 mm | 0.02 in. |

## Side view



## Configuration possibilities AmWrap series

AmWrap belts can be tailored for various applications, by combining default options listed below. First of all ensure the correct temperature is selected, then continue selecting the fabric, top cover and bottom cover. If any assistance is required, please consult our specialists for further assistance.

| Brand name | Application | Maximum coil temperature |      |
|------------|-------------|--------------------------|------|
|            |             | [°C]                     | [°F] |
| AmWrap C   | Cold        | 80                       | 176  |
| AmWrap T   | Temperature | 130                      | 266  |
| AmWrap H   | Hot         | 350                      | 662  |

| Fabric        | Application           | Material                   | Max belt tension at 2% elongation [N/mm] | Thickness [mm] |
|---------------|-----------------------|----------------------------|------------------------------------------|----------------|
| AmWrap GK112  | Cold                  | 100% Polyester             | 40                                       | 2.5            |
| AmWrap GK1002 | Cold                  | 100% Polyester             | 100                                      | 2.3            |
| AmWrap GK1402 | Cold                  | 100% Polyester             | 140                                      | 3.0            |
| AmWrap GK1752 | Cold / Temperature**  | 100% Polyester             | 175                                      | 3.5            |
| AmWrap GK2502 | Cold / Temperature*** | 50% Polyester / 50% Aramid | 250                                      | 3.0            |
| AmWrap H300   | Hot                   | 100% Aramid                | 140 (1% elongation)                      | 7.0            |
| AmWrap H700   | Hot                   | 100% Aramid                | 140 (1% elongation)                      | 8.5            |

| Top cover material | Application | Available hardness or density | Finish | Minimum thickness [mm] | Maximum thickness [mm] |
|--------------------|-------------|-------------------------------|--------|------------------------|------------------------|
| Ropan PUR          | Cold        | 70°, 80°, 90° Shore A         | Ground | 1.0                    | 6.0                    |
| Ropanyl TPU        | Temperature | 60° Shore D                   | Smooth | 1.0                    | 3.0                    |
| Aramide Needlefelt | Hot         | 1000 g/m <sup>2</sup>         | Felt   | 2.0                    | 2.0                    |
| Aramide Needlefelt | Hot         | 1300 g/m <sup>2</sup>         | Felt   | 3.5                    | 3.5                    |

| Bottom cover material | Application | Available hardness    | Finish                | Minimum thickness [mm] | Maximum thickness [mm] |
|-----------------------|-------------|-----------------------|-----------------------|------------------------|------------------------|
| Nonex PVC             | Cold        | 55°, 65° Shore A      | Smooth or A21 profile | 0.5                    | 1.0                    |
| Ropan PUR             | Cold        | 70°, 80°, 90° Shore A | Ground                | 1.0                    | 3.0                    |
| Ropanyl TPU           | Temperature | 93° Shore A           | Smooth                | 0.5                    | 1.0                    |

\*\* maximum width = 1300 mm

\*\*\* maximum width = 1600 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.