# ALPHAbelt S3125

## TYPE: GRID.

A modular belt with **bending capacity** for conveyors with one or more bends and for conveyors with spiral shape.

The bending radius is 2,2 X belt's width (**R=width X 2,2**), when the width of the belt is up to 600 mm. When the width of the belt is from bigger 600 mm, the radius is 2,5 X belt's width (**R=width X 2,5**).

The radius (R) defines the smallest (internal) radius of the belt (drawing 2).

Its surface is **grid, flat and smooth** and **the pitch is 26 mm**.

The **open surface** of the belt is 35**%**, enabling the draining of water and gasses.

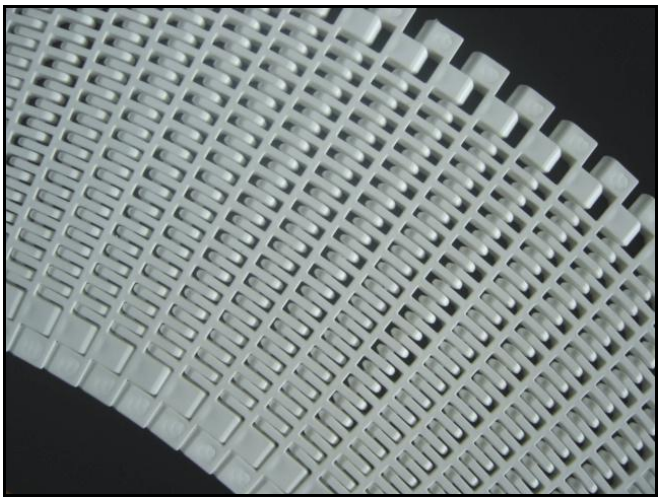
The **reinforced edges** of the belt give to the belt power and longer life duration.

The **connection rod** of the segments has 5,2 mm. diameter.

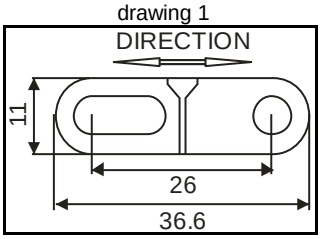
By assembling the segments to each other you can create **belts with width from 40 μέχρι 3000 mm**. and unlimited length.

The **motion tansmition** is made by the plastic sprockets S3125.

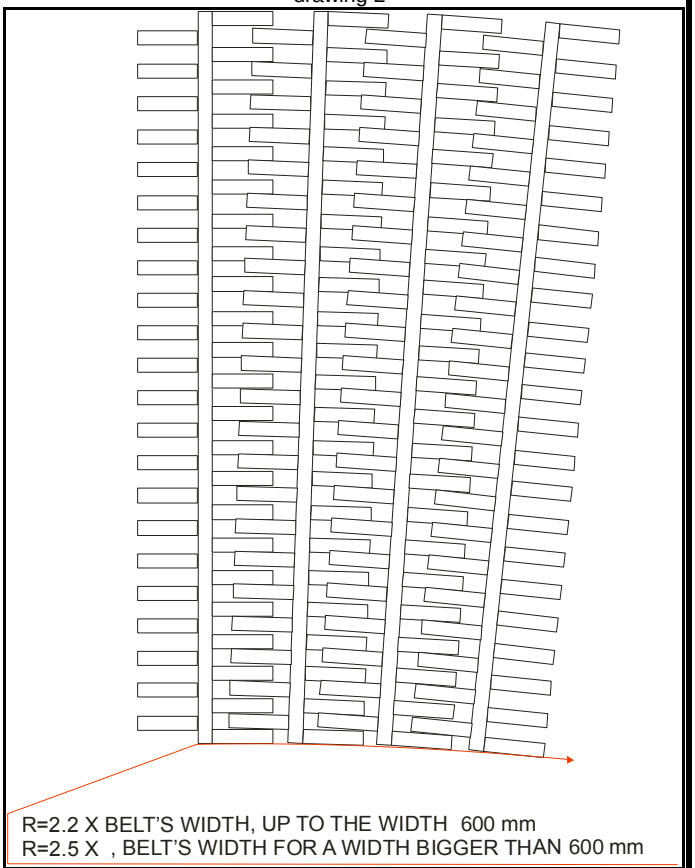
It has **invariable and stable motion** guided by the central sprockets on the two shafts.



drawing 1




drawing 2




| Material | PP | PE | AC |
|---|---|---|---|
| **Color** | bllue-white | white | red |
| **Traction power max(Nw/m belt's width)** | 10000 | 8000 | 15000 |
| **Temperature ($^{o}$C)** | +5 - +105 | -60 +65 | -40 +85 |
| **Open surface** | 35% | | |
| **Net weight Kg/m2** | 3,6 | 3,7 | 6,6 |

For information on the **resistance of the materials in chemicals**, as well as on other useful instructions, please see the Plastic Specifications.