

# PLASTIC CONVEYOR BELT

## *with silicon coating*



### TOP characteristics

- Resistant to extremely high temperatures
- Good anti-adhesive and carrying effect
- Exceptional transverse stiffness and flexibility
- Approved for use in food processing in accordance with FDA/USDA and VO EU 10/2011



The silicone rubber coating of the belt top face ensures that our plastic conveyor belts are resistant to chemicals, fats, oils and high temperatures. They also offer good release properties and outstanding adhesion.

### Applications

- For transporting sticky substances (caramel, nougat, granulates, adhesives)
- For inclined conveying without carriers
- As a cooling conveyor belt in the confectionery industry
- For "pick and place" applications in packaging technology

### Materials used

- Single- or double-ply polyester fabric
- With PU or silicon intermediate layer

### Versions

- Anti-static due to interwoven carbon fibre threads





# PLASTIC CONVEYOR BELT WITH SILICON COATING – OVERVIEW

Dimensions / version	SI/1 AS 2303	SI/1 AS 1261	SI/2 AS 2298	SI/2 0-0 AS 2298	SI/2 SI 2298
<b>Fabric</b>	Multifile warp threads (RD) and monofile PES weft threads (TD), anti-static carbon fibre threads	Multifile warp threads (RD) and monofile PES weft threads (TD), anti-static carbon fibre threads	Multifile warp threads (RD) and monofile PED weft threads (TD), anti-static carbon fibres; PU intermediate layer	Multifile warp threads (RD) and monofile PES weft threads (TD), anti-static carbon fibres, silicon intermediate layer	Multifile warp threads (RD) and monofile PES weft threads (TD), anti-static carbon fibres, silicon intermediate layer
<b>Number of plies</b>	1	1	2	2	2
<b>Colour</b>	Transparent silicon	White	White	Impregnated	White
<b>Material thickness [mm]</b>	1.1	0.7	1.2	1.3	1.5
<b>Coating of the carrying side</b>		Silicon		Impregnated	Silicon
<b>Coating of the running side</b>			Impregnated		
<b>Weight [g/m<sup>2</sup>]</b>	1050	650	1700	1300	1500
<b>Max. product temperature [° C]</b>	-30/+100	-25/+95	-20/+90	-40/+180	-40/+180
<b>Max. operating temperature [° C]</b>	-30/+100	-25/+95	-20/+90	-40/+180	-40/+180
<b>1 % stretch with N/mm belt tension</b>	3	6	5	4	4
<b>Heat transfer coefficient [W/m<sup>2</sup>]</b>					
<b>Deflection radius [mm]</b>	2.5	3.0	10.0	15.0	15.0
<b>Anti-static</b>			Yes		
<b>Embossable</b>					
<b>Approved for food processing</b>	FDA/USDA	FDA/USDA, VO EU 10/2011	FDA/USDA, VO EU 10/2011	FDA/USDA	FDA/USDA
<b>Applications</b>		For transporting sticky products, for inclined conveying		Loading belts for ovens, stowage transport	For transporting sticky products, for inclined conveying
<b>Special features</b>	Highly adhesive (blunt) carrying side, outstanding release properties due to special silicon coating	Adhesive (blunt) carrying side, good release properties			Resistant against high temperatures, resistant to a large number of fats and oils

**Legend:**

- RD = Running direction
- TD = Transverse direction
- PES = Polyester
- PU = Polyurethane