

PLASTIC CONVEYOR BELTS

Silicone conveyor belt



TOP-Characteristics

- Flexible
- Outstanding non-stick properties
- High temperature range
- Approved for use in food processing
- High transverse stability
- Good carrying effect



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

APPLICATION AREAS

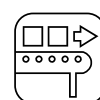
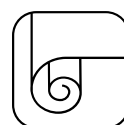
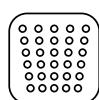
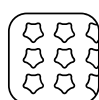
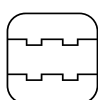
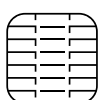
Cooling conveyor belt in the confectionery industry | Inclined conveying without carriers | Transporting sticky substances | "Pick and place" applications in packaging technology

MATERIALS

One or two-ply | Si/1 AS 2298 | Si/2 0:0 AS 2298 | Si/2 AS 2298 | Si/2 Si 2298 | With PU or silicone intermediate layer

JOINING MATERIALS

Finger splicing | Plastic spiral fasteners | Stainless hook fasteners



SPECIAL VERSIONS

Anti-static due to the woven-in carbon fibre threads | Laser-cut holes | With cross profiles | With longitudinal profiles | Without antistatic threads

ACCESSORIES

Finger punching devices | MÄRTENS Cleaner | Splicing press

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
Fabric	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
Number of plies	1	1	2	2	2
Colour	Transparent silicon	White	White	Impregnated	White
Material thickness [mm]	1.1	0.7	1.2	1.3	1.5
Coating of the carrying side		Silicon		Impregnated	Silicon
Coating of the running side			Impregnated		
Weight [g/m²]	1050	650	1700	1300	1500
Max. product temperature [° C]	-30/+100	-25/+95	-20/+90	-40/+180	-40/+180
Max. operating temperature [° C]	-30/+100	-25/+95	-20/+90	-40/+180	-40/+180
1 % stretch with N/mm belt tension	3	6	5	4	4
Heat transfer coefficient [W/m²]					
Deflection radius [mm]	2.5	3.0	10.0	15.0	15.0
Anti-static			Yes		
Embossable					
Approved for food processing	FDA/USDA	FDA/USDA, VO EU 10/2011	FDA/USDA, VO EU 10/2011	FDA/USDA	FDA/USDA
Applications	For transporting sticky products, for inclined conveying			Loading belts for ovens, stowage transport	For transporting sticky products, for inclined conveying
Special features	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