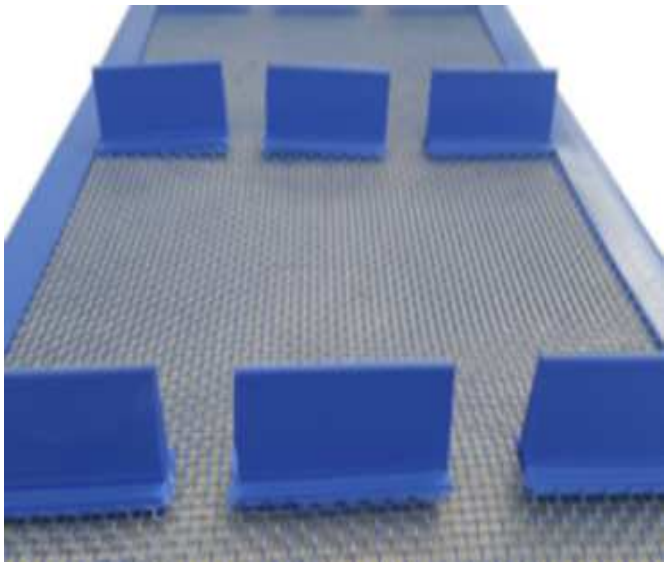
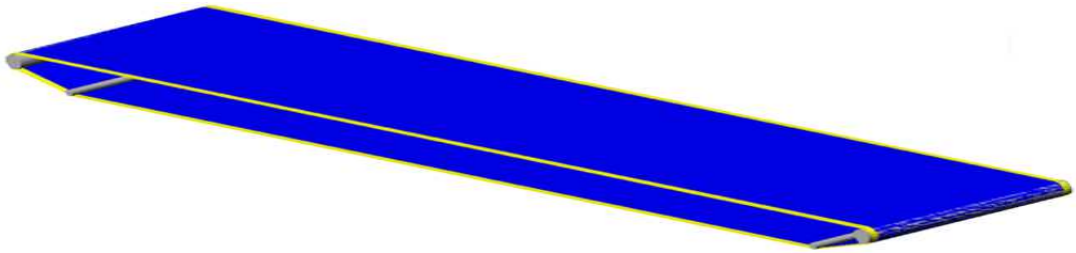
NAMIMESH
Mesh Belts in Polyester

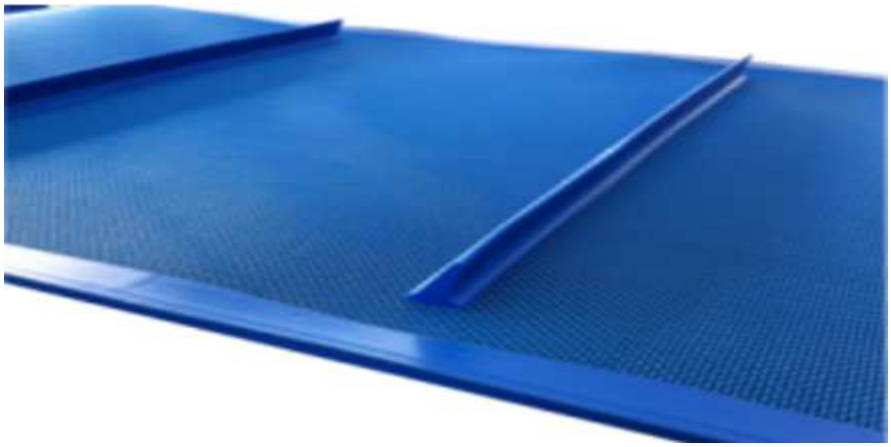
Technical Application

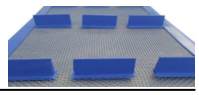
Mesh belts in polyester with heat-sealed edge finishing.
Applications: :

- Food processing industry
- Pasta sector, for drying and pasteurization
- Ready-to-use produce sector, for washing vegetables
- Food processing industry, for drying of fruits
- Dairy industry, for filtration processes
- Fishing industry, for transportation
- Other industries: Belts designed in collaboration with the R & D division of Polinamic, based on customer's specifications









Construction

They are supplied endless or with mechanical joints and can be provided with cleats and longitudinal tracking guides. Our mesh belts are specifically developed for the food industry by our R & D division, and can also be based on the customer's project.
Our mesh belts are characterized by the application of polyester edges, thanks to which they can be used at peak performance, because they are not subject to the limitations caused by the more common PVC or PU edges.

Mesh Type	PBH R1	PBH R2	PBH R3	PBH R4
Mesh (mm)	1x1	2x2	3x3	4x4
Open Area (%)	35%	45%	50%	64%
Operating Temp (°C)	from -25° to +110°			
Peak Temp (°C)	from -40° to +130°			
Operating Width (mm)	from 100 to 4000			
Max Length	custom			
Fastener	See fastener sheet			
Foodstuff Certification	EU FDA			

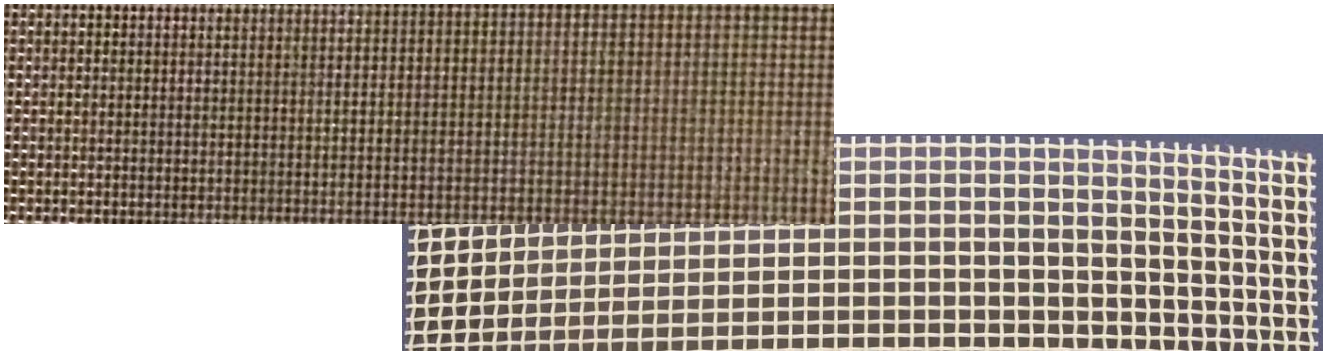
NAMIMESH
Mesh Belt made of PPS

Technical Application

Mesh belts of polyphenylene sulphide (PPS), thermoplastic polymer for high performance. Suitable for use in environments with the following requirements:

- Chemical resistance
- Hydrolysis resistance
- Dimensional stability at high temperatures (up to 190 °C)
- Corrosion resistance
- Metal detectable applications

	SHB R140 - S/SKD - 36HYTT	SHB R310 - S/SKD - 55HYTT	SHC—R80 - S/SSF 44
Open Area (%)- mesh size (micron)	36% - 1300	55% - 3000	44% - 800
Admissible tensile Force (elongation <3%) (N/mm)	12	18	-
Elongation at break (%)	40%	12%	-
Maximum tensile strength (N/mm)	60	30	62—93
Total thickness (without edges) (mm)	1.70	1.90	0.75
Weight (gr/mq)	730	560	294.2
Max Width (mm)	3000	3000	3070
Min flex pulley diameter (mm)	80	80	50
Color	canvas	canvas	canvas
Wire diameter (mm)	0.8	1.0	0.4

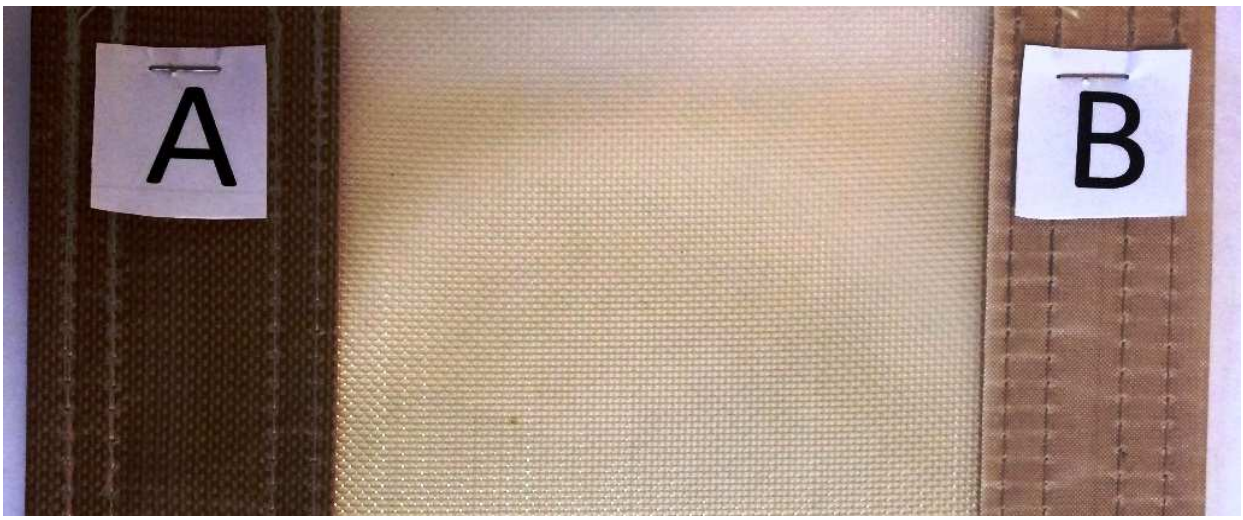


NAMIMESH
Mesh Belt made of PPS

Sewed Edges for PPS mesh belt

PPS mesh belts can be finished with sewed edges made of high performance material to work at high temperature as the PPS mesh belt itself. Edges can be made of special compounds of Kevlar + Teflon (see figure A) or in Fiberglass + Teflon (see figure B).
The edges are sewed with special wire in Kevlar + Teflon.
For special requests please contact our sales department.

	SHC—R80 - S/SSF 44KV	SHC—R80 - S/SSF 44VTF
Open Area (%)- mesh size (micron)	44% - 800	44% - 800
Edge Type	Kevlar+ Teflon sewed	Teflon+ Fiberglass sewed
Maximum tensile strength (N/mm)	62—93	62—93
Total thickness (without edges) (mm)	0.75	0.75
Weight (gr/mq)	294.2	294.2
Max Width (mm)	3070	3070
Min flex pulley diameter (mm)	50	50
Color	canvas	canvas
Wire diameter (mm)	0.4	0.4

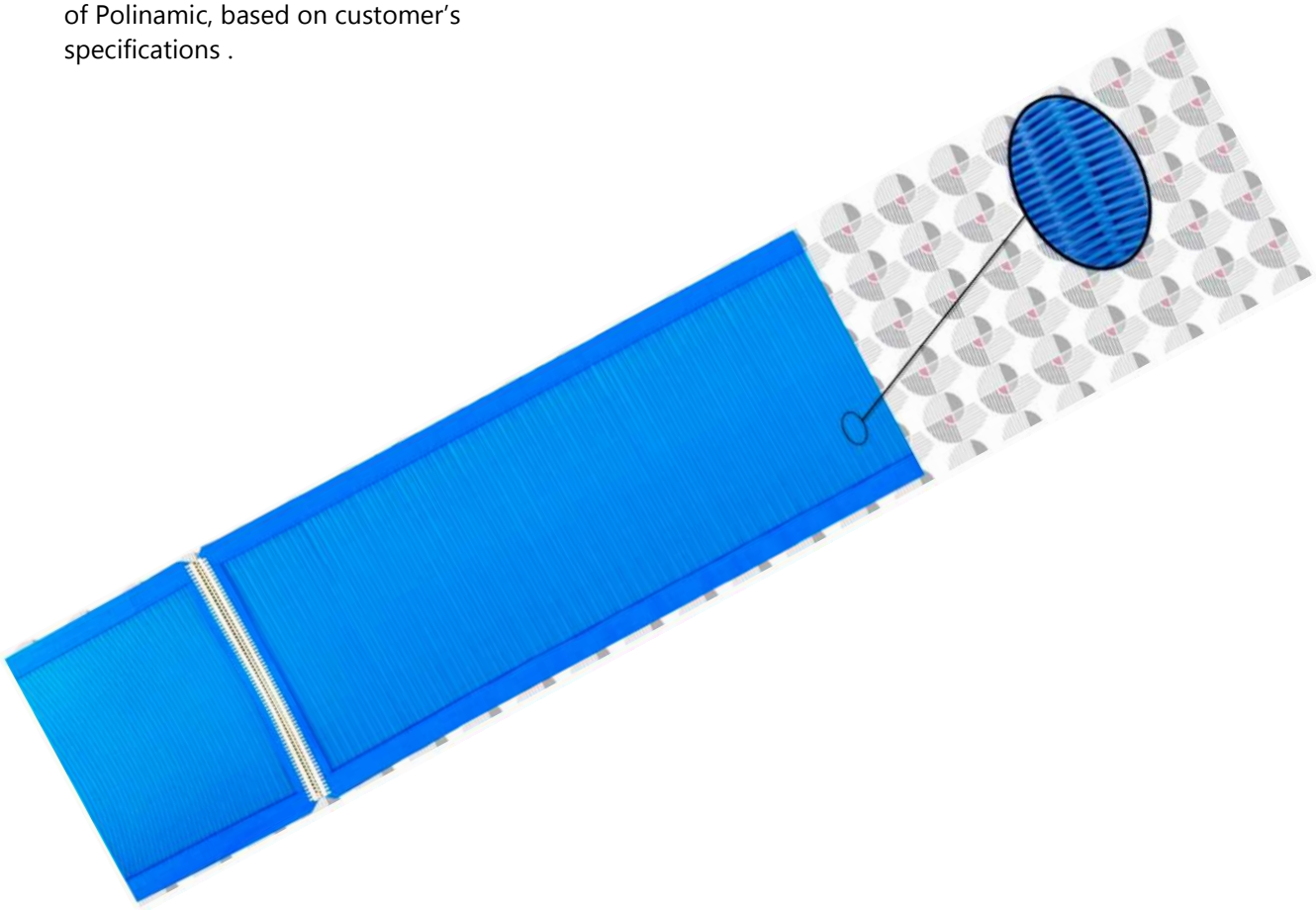


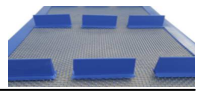
NAMIMESH
Spiral Mesh Belt in Polyester

Technical Application

Spiral mesh conveyor belt in blue color, made of fine spiral polyester mesh and with polyester edges.

- Applications:
- Food processing industry
- Pasta sector, for drying and pasteurization
- Ready-to-use produce sector, for washing vegetables
- Food processing industry, for drying of fruits
- Dairy industry, for filtration processes
- Fishing industry, for transportation
- Other industries: Belts designed in collaboration with the R & D division of Polinamic, based on customer's specifications .





Technical Specifications	
Mesh	spiral
Open Area (%)	upon request
Operating Temp (°C)	from -25° to +110°
Peak Temp (°C)	from -30° to +120°
Operating Width (mm)	from 100 to 8000
Max Length	custom
Fastener	See Junctions data sheet
Foodstuff Certification (*)	FDA

(*) upon request

Table representing the main mesh belts types used in various industrial sectors.
For other parts such as guides or edge reinforcements, please, contact Polinamic R & D.

Construction

The subtle weaving of this belt allows to transport the product over ventilated surfaces without product abrasion. Ideal in applications for product washing.
Our new manufacturing technique allows us to eliminate the "waves" commonly affecting this kind of belts, once the conveyor belt is mounted with the minimum working tension.

Our mesh belts are characterized by the application of polyester edges, thanks to which they can be used at peak performance, because they are not subject to the limitations caused by the more common PVC or PU edges.