

Polymer Continuous Filter Belt

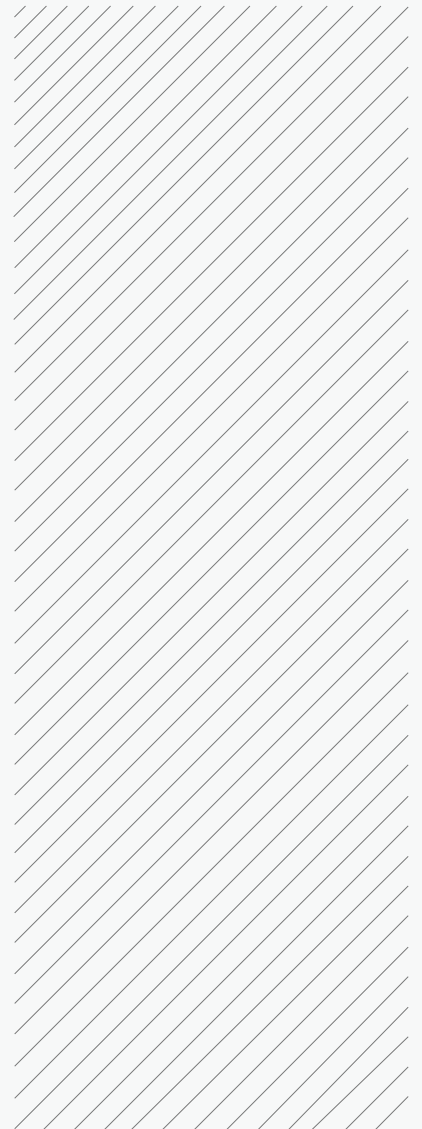
Weave Impossible to Possible



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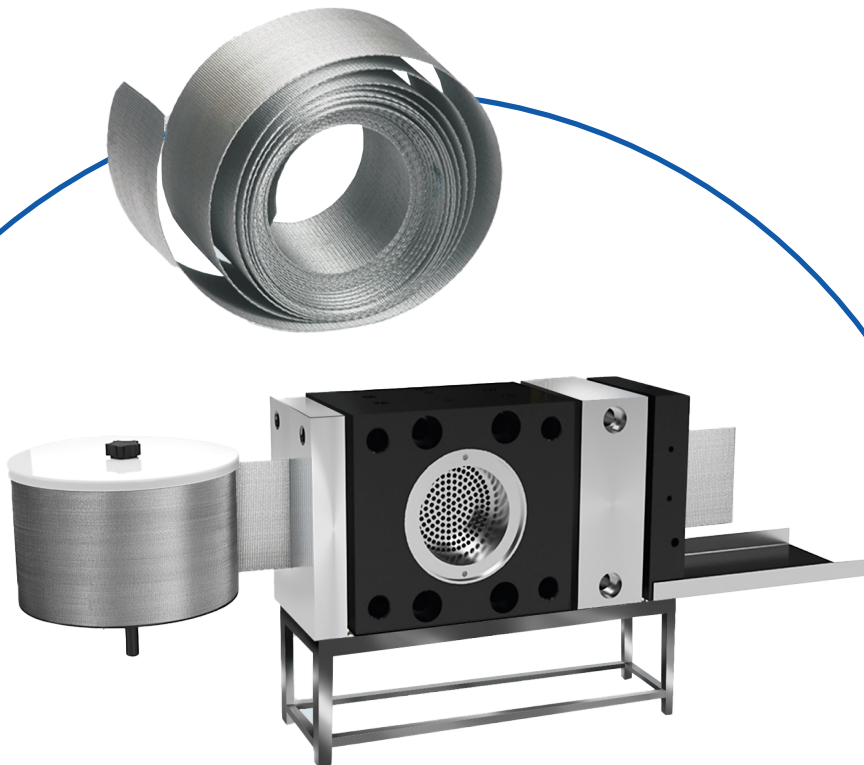
BOEDON Brochure



We can offer **polymer continuous filter belts for continuous screen changers to meet your specific requirements of **polymer melt filtration applications****

Polymer continuous filter belts are reverse Dutch woven filter belts made of stainless steel wire. They are primarily used to filter impurities from molten plastics and often work with continuous screen changers to achieve uninterrupted production and high filtration performance in the process of blow molding and casting film production and other polymer melt filtration.

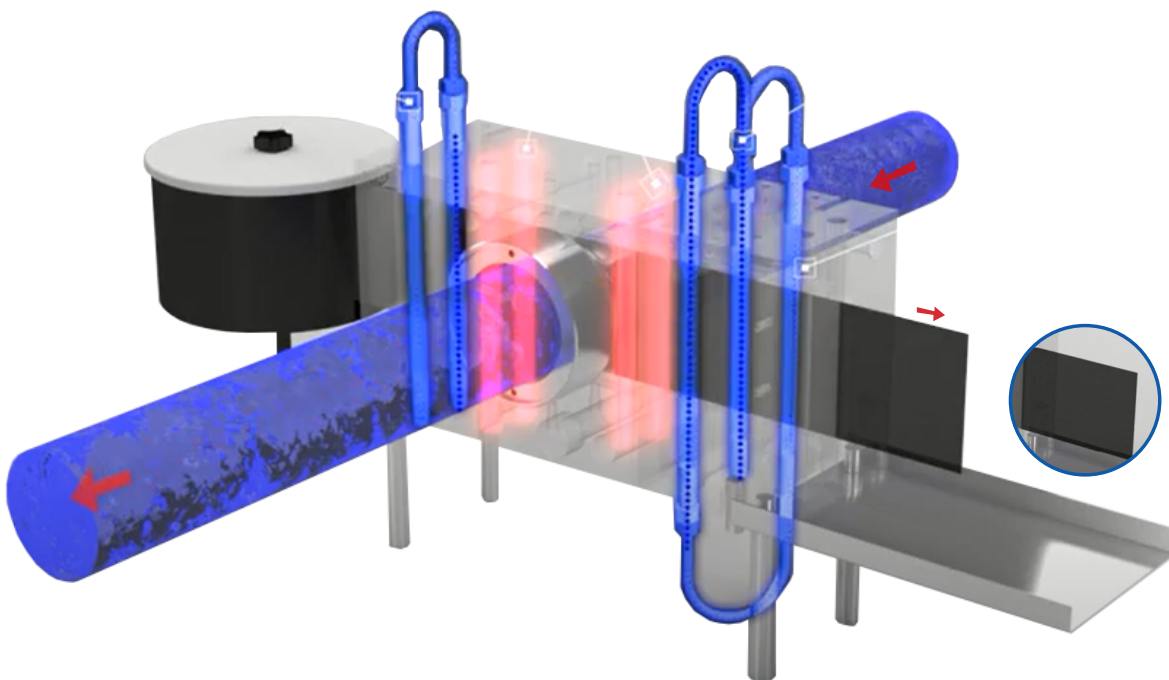
Polymer Continuous Filter Belt



POLYMER CONTINUOUS FILTER BELT

Working Principle

Polymer continuous filter belt is installed on the continuous screen changer. The melt enters from the inlet and impurities are trapped on the belt surface. The reverse Dutch woven filter can trap fine particles. Clean melt flows out of the outlet. When the preset value or time is reached, the control system will automatically trigger the heating rods at the outlet of the belt for belting. When the outlet reaches the preset temperature, the filter belt moves automatically and impurities in the melt are taken out from the continuous screen exchanger. Consequently, the clean filter belt also moves to the inlet, and the heating rods at the outlet stop heating, the clean filter belt starts to filter impurities, thus achieving continuous operation.

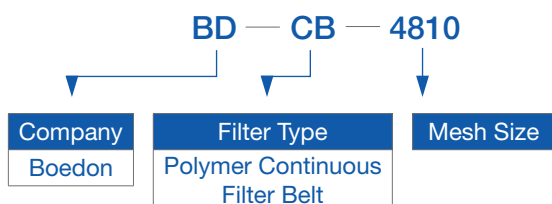
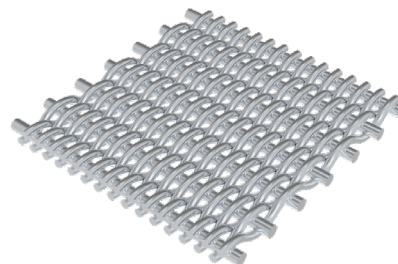


POLYMER CONTINUOUS FILTER BELT

Specification

Reverse Dutch weave

This weave type is in a reverse of the plain Dutch weave wire arrangement using larger warp wires and smaller weft wires. Polymer continuous filter belt adopts smaller warp wires to offer a tighter mesh structure for filtration and ensure the filtration efficiency. The larger weft wires deliver higher strength for the filter belt to extend its service life. This weave method makes the polymer continuous filter belt an ideal choice for plastic extrusion.



Material: Sstainless steel 302, 304, 316, 316L, etc.

Weave type: reverse Dutch weave

Length: 10–30 m

Width: 10 cm, 12 cm, 15 cm, 19 cm, 21 cm, or customized.

Popular Specification of Polymer Continuous Filter Belts

Model	Mesh Size (Warp/Inch × Weft/Inch)	Wire Diameter (mm) (Warp × Weft)	Filter Rating (µm)	Weight (kg/m ²)	Width (mm)	Length (mm)
BD-CB-4810	48 × 10	0.50 × 0.50	400	3.63	40–210	10000
BD-CB-6318	63 × 18	0.40 × 0.60	220	4.14	40–210	10000
BD-CB-7215	72 × 15	0.45 × 0.55	250	4.78	40–210	10000
BD-CB-10016	100 × 16	0.35 × 0.45	190	3.87	40–210	10000
BD-CB-10720	107 × 20	0.24 × 0.60	210	3.34	40–210	10000
BD-CB-12016	120 × 16	0.35 × 0.45	180	4.49	40–210	10000
BD-CB-13217	132 × 17	0.32 × 0.45	170	4.24	40–210	10000
BD-CB-15224	152 × 24	0.27 × 0.40	160	3.73	40–210	10000
BD-CB-16017	160 × 17	0.27 × 0.45	160	2.02	40–210	10000
BD-CB-17018	170 × 18	0.27 × 0.45	160	4.01	40–210	10000
BD-CB-17146	171 × 46	0.15 × 0.30	130	2.00	40–210	10000
BD-CB-18020	180 × 20	0.27 × 0.45	170	4.29	40–210	10000
BD-CB-20040	200 × 40	0.17 × 0.27	120	2.17	40–210	10000
BD-CB-24040	240 × 40	0.15 × 0.25	70	1.98	40–210	10000
BD-CB-26040	260 × 40	0.15 × 0.27	55	2.19	40–210	10000
BD-CB-29076	290 × 76	0.09 × 0.19	40	1.27	40–210	10000
BD-CB-30040	300 × 40	0.15 × 0.25	50	2.31	40–210	10000
BD-CB-30080	300 × 80	0.15 × 0.20	35	2.49	40–210	10000

Notes: Other specifications are available upon request.

POLYMER CONTINUOUS FILTER BELT

Features & Application

Features

- Durable, woven from high strength stainless steel wire
- Excellent resistant to acids, alkalis, corrosion and high temperatures
- Precise filter mesh size ensures good filtration effect during extrusion
- Belt change is possible without interruptions in production, resulting in efficient production

Application



Plastic & Plastic Recycling

- Cast film, blown film
- BOPP, etc.
- PP, PVC and other plastic extrusion



Resin

- Thermosetting resins
- Thermoplastic resins



Chemical Fiber

- Nonwoven production
- Special material filtration



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