



SW(Straight Warp) Conveyor Belt

BROCHURE



Pro Belt (Qingdao) Rubber Co., Ltd

www.pro-cb.com

SW Rubber Textile Conveyor Belts

SW is a polyester «straight-warp» belt composed of one or two plies protected on both top and bottom sides by weft lines in polyamide.

Due to the thin carcass, SW can be used with smaller pulley diameters than textile plied or steel cord belts. Straight-warp conveyor belts

are used on heavy duty conveyors where resistance to the effects of heavy impacts and resistance to tearing are important characteristics, typically seen in quarrying, open cast mining and steel industries or in applications where heavy-duty and yet narrow belts are required, such as in tunneling.

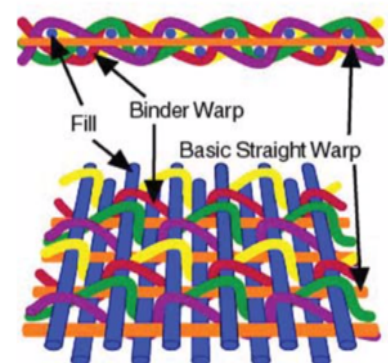
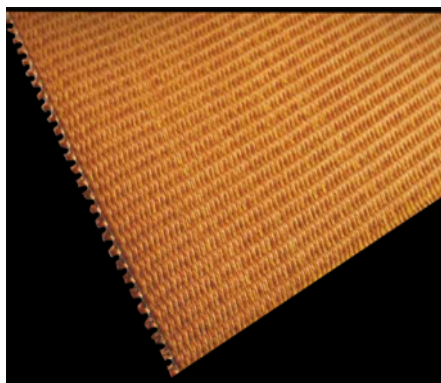
The carcass frame thus constructed is adhered RFL and may be coated of different types of rubber cover, anti-abrasive (M, W , etc.), oil-resistant, heat-resistant (T150°, T200°), etc.

SW Rubber Conveyor Belt Carcass and Cover Feature:

- ✓ Superior cut, impact and wear resistant covers
- ✓ Reinforced fabric plies to resist puncturing
- ✓ Performs well on small to medium sized pulleys
- ✓ Excellent troughability
- ✓ Longer lifespan outlasts multi-ply belts
- ✓ Perfect all-round solution for extreme conveying

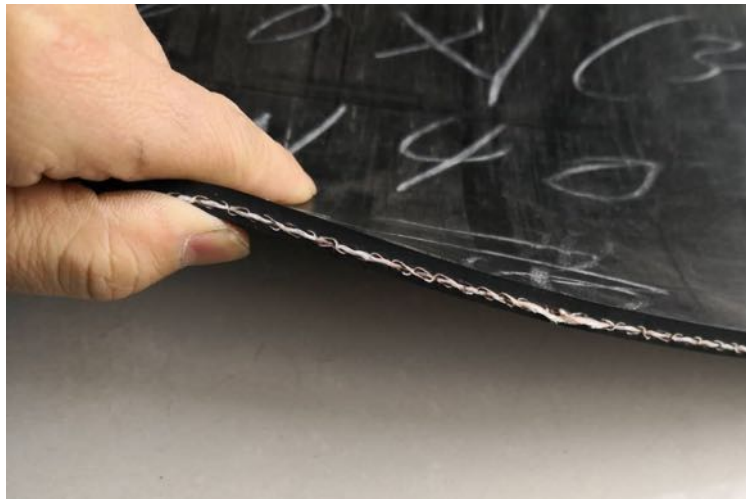
Belt construction

The SW belt textile carcass is made up of layers of fabrics, from 1 to 2 (or more) plies. Each of these is separated by a rubber layer. This «sandwich» structure enables the belt to absorb shocks. The upper and lower fabrics of the belt are then covered with a final rubber cover.



SW Fabric Specification

Type	Breaking Strength, N/mm		Elongation, %	Weight, g/m ²	Thickness, mm	Belt Width, mm
SW400	Warp	>460	>15	1610	2.3	600-2200
	Weft	>140	-			
SW500	Warp	>590	>15	1790	2.5	600-2200
	Weft	>180	-			
SW630	Warp	>685	>15	1990	2.7	600-2200
	Weft	>200	-			
SW800	Warp	>880	>15	2530	3.1	600-2200
	Weft	>240	-			
SW1000	Warp	>1060	>15	3410	4.2	600-2200
	Weft	>310	-			



Cover Grade

The most important factor for the selection of the type of rubber quality is the nature of the conveyed material: lump size, shape, hardness, density, temperature or oil/chemical content. Operating conditions, such as ambient temperatures, radiation or safety requirements also play a role in choosing the correct cover.

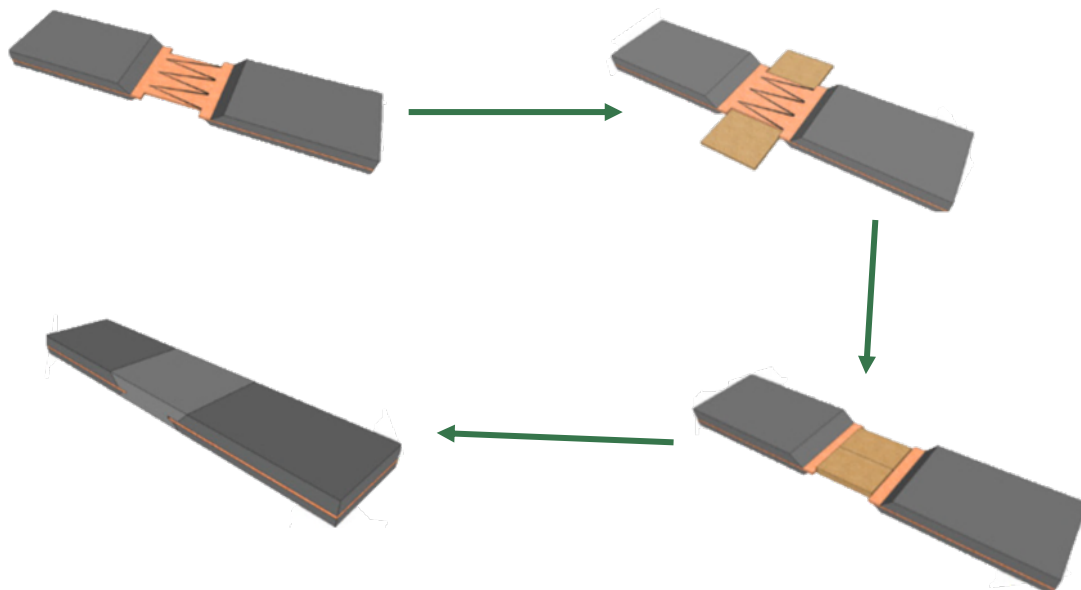
PCB supplies rubber grades according to a wide range of inter-national standards. Some standard cover grades are listed in the table below. All qualities are resistant against ozone, UV radiation, ageing and are antistatic according to ISO 284. Please consult us for special requirement.



Cover Grade	Tensile Strength, min N/mm	Elongation, min %	Abrasion, min mm ³	Characteristics and Application
Wear Resistant				
X	25	450	120	Heavy duty cover for coarse and sharp materials Resistant against impacts and cuts. Complies with: X (DIN), RMA1, H (ISO), M (AS), M24 (BS)
Y	20	400	150	Wear resistant cover for normal operating conditions Complies with: Y (DIN), RMA 1&2, L (ISO), N (AS), N17 (BS)
W	18	450	90	Cover with excellent resistance against erosive wear For small-sized, abrasive materials. Complies with: W (DIN), RMA 1&2, D (ISO)
Flame Resistant				
K	20	400	200	Abrasion resistant cover with flame resistant characteristics according to ISO 340
D	17	450	175	

Splicing

The belts can be splicing with hot vulcanize(two plies) or finger splicing(one ply). For more information, contact us.



Pro Conveyor Belt

Vision:

Customized
Specialization



PCB
Pro Conveyor Belt

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