BELT CONCEPTS

INNOVATIVE CONVEYOR BELTING SOLUTIONS

General Purpose Conveying

Covering the Spectrum

www.belt-concepts.com

MADE IN USA

Moving Ahead with a Multitude of Choices

For a variety of light and medium duty applications, lightweight conveyor belts from Belt Concepts offer a broad range of choices for general purpose conveying. Belt Concepts has just the right belts for a multitude of applications, including grocery store check-out counters, warehouse and distribution environments, small parts conveying, light duty inspection lines and electronic vision detection systems.

Belt Concepts' general purpose belts are available in three unique constructions – multi-plied spun polyester, multi-plied monofilament and single-plied interwoven. All Belt Concepts lightweight belts feature HPC™ technology, a homogenous plied construction process that provides excellent resistance to edge wear and better tracking for longer lasting belts.

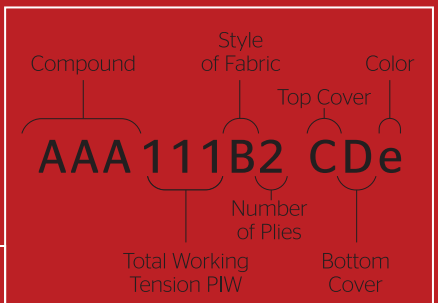
A variety of cover profiles are available that work well in various general purpose applications. For situations where aesthetic appeal is as important as performance, a variety of color options are available. For all of your general purpose conveying needs, Belt Concepts lightweight conveyor belts have you covered. Call 1-888-LWT-BELT for more information.

Belt Concepts
Lightweight Belt Coding System

Multi-plied spun polyester
- HPC™ technology in two-, three- and four-ply construction
- Superior tracking in both directions
- Resistance to edge wicking and curling
- Exceptional splicing capabilities

Multi-plied monofilament
- Covers a wide range of precision applications
- Transversely rigid, HPC™ construction permits the use of low energy drives and small pulley diameters in high-speed conveying conditions
- Unique fabric design offers edge wear resistance, a low coefficient of friction fabric surface, and maximum flexibility in the warp direction

Single-plied interwoven
- High-quality polyester warp yarns are woven and bound together with the weft yarns
- Interwoven carcass offers superior splice retention, tear resistance and low stretch qualities for general conveying



Check-Out Counter Belt

Check into the reliability of check-out counter belts

- **Our innovative HPC™ constructed multi-plied monofilament carcass provides:**
  - Excellent transverse rigidity
  - The use of low energy drives and small pulley diameters in high-speed conveying conditions
  - Finger-over-finger splicing capabilities for a more flexible and longer lasting splice
- **Static dissipative belt keeps charge out of products being conveyed**
- **Unique manufacturing process provides an exceptionally smooth top cover**

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft.²	kg/m²	Approx.	in.	mm	°F	°C
PVA 60MP NLb	2	60	11	0.075	1.9	0.47	2.3	0.20	1.0	25	20 - 180°	-7 - 82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVA 60MP NLb	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	25 or UCM365LSP	1	62

**Fastener manufacturer should be consulted to review specific belt and application information

Eclipse Profile, PVC Compound, Interwoven Carcass

Conquering the ups and downs of conveying

- **Eclipse top cover profile provides extra grip when conveying products up inclines**
- **High molecular PVC formula provides durability, versatility and value in the interwoven family of belts**
- **The fusion and high impregnation of this unique interwoven carcass offers superior fastener retention, tear resistance and low stretch qualities for general conveying**

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft.²	kg/m²	Approx.	in.	mm	°F	°C
PVC 120S1 EBb	1	120	21	0.240	6.1	0.97	4.7	0.25	2.0	51	20 - 180°	-7 - 82°
PVC 150S1 EBb	1	150	26	0.255	6.5	1.22	5.9	0.25	2.5	64	20 - 180°	-7 - 82°
PVC 200S1 Ebb	1	200	35	0.315	8.0	1.45	7.0	0.25	4.0	102	20 - 180°	-7 - 82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVC 120S1 EBb	Finger, Skived Bias, Mechanical Fasteners	1 or UX1	15	125
PVC 150S1 EBb	Finger, Skived Bias, Mechanical Fasteners	2 or U2	20	125
PVC 200S1 Ebb	Finger, Skived Bias, Mechanical Fasteners	2 or U4	27	187

**Fastener manufacturer should be consulted to review specific belt and application information

Hot Stock & Water – All Polyester Carcass, HPC™

A gripping solution for conveying rubber stock

› **All polyester top cover provides good grip and release characteristics for conveying rubber stock in tire facilities and related industries**

› **Innovative HPC™ constructed multi-plied spun polyester carcass provides:**
- Superior tracking in both directions
- Resistance to edge wicking and curling
- Flexibility over small pulleys
- Excellent adhesions on the belt edge

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft.²	kg/m²	Approx.	in.	mm	°F	°C
PVG 150H(HS) LFb	2	150	26	0.115	2.9	0.62	3.0	0.30	3.0	76	-20 - 180°	-29 - 82°
PVG 225H2(HS) LFb	3	225	39	0.170	4.3	1.01	4.9	0.30	6.0	152	-20 - 180°	-29 - 82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVG 150H(HS) LFb	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	1SP or UX1SP	7	62
PVG 225H2(HS) LFb	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	2 or U2	20	125

**Fastener manufacturer should be consulted to review specific belt and application information

Hot Stock & Water – Cotton Top Ply, HPC™

Setting the standard in rubber stock conveying

› Cotton top cover has been the industry standard in tire manufacturing facilities where rubber stock is conveyed

› Cotton fabric top cover provides heat resistance and release characteristics

› Innovative HPC™ constructed multi-plied spun polyester carcass provides:
- Superior tracking in both directions
- Resistance to edge wicking and curling
- Flexibility over small pulleys
- Excellent adhesions provide improved belt wear
- Thermo-Flo™ splicing capabilities

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft.²	kg/m²	Approx.	in.	mm	°F	°C
PVG 130V2G LFb	3	130	23	0.135	3.4	0.77	3.7	0.30	2.5	64	-20 - 180°	-29 - 82°
PVG 130V2G LFb	4	180	32	0.175	4.4	1.02	4.9	0.30	4.0	102	-20 - 180°	-29 - 82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVG 130V2G LFb	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	2SP or U2SP	7	125
PVG 130V2G LFb	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	2 or U2	20	125

**Fastener manufacturer should be consulted to review specific belt and application information

General Purpose, Interwoven Single-Ply Carcass

Durability and versatility at an economical price

Smooth Cover

- High molecular PVC™ formula provides durability, versatility and value in the interwoven family of belts
- The fusion and high impregnation of this unique interwoven carcass offers superior fastener retention, tear resistance and low stretch qualities for general conveying
- Products work well in package handling and distribution centers

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft.²	kg/m²	Approx.	in.	mm	°F	°C
PVC 100S1 FBb	1	100	18	0.100	2.5	0.58	2.8	0.25	1.5	38	20-180°	-7-82°
PVC 100S1 CBb	1	100	18	0.110	2.8	0.64	3.1	0.25	1.5	38	20-180°	-7-82°
PVC 100S1 CFb	1	100	18	0.110	2.8	0.66	3.2	0.30	1.5	38	20-180°	-7-82°
PVC 120S1 FBb	1	120	21	0.105	2.7	0.60	2.9	0.25	2.0	51	20-180°	-7-82°
PVC 120S1 CBb	1	120	21	0.135	3.4	0.80	3.9	0.25	2.0	51	20-180°	-7-82°
PVC 120S1 CFb	1	120	21	0.135	3.4	0.83	4.0	0.30	2.0	51	20-180°	-7-82°
PVC 150S1 FBb	1	150	26	0.115	2.9	0.68	3.3	0.25	2.5	64	20-180°	-7-82°
PVC 150S1 CBb	1	150	26	0.165	4.2	0.96	4.6	0.25	2.5	64	20-180°	-7-82°
PVC 150S1 CFb	1	150	26	0.165	4.2	0.99	4.8	0.30	2.5	64	20-180°	-7-82°
PVC 150S1 CNb	1	150	26	0.180	4.6	1.11	5.4	0.50	2.5	64	20-180°	-7-82°
PVC 200S1 FBb	1	200	35	0.170	4.3	0.91	4.4	0.25	4.0	102	20-180°	-7-82°
PVC 200S1 CBb	1	200	35	0.205	5.2	1.15	5.6	0.25	4.0	102	20-180°	-7-82°
PVC 200S1 CFb	1	200	35	0.205	5.2	1.18	5.7	0.30	4.0	102	20-180°	-7-82°
PVC 200S1 CNb	1	200	35	0.230	5.8	1.30	6.3	0.50	4.0	102	20-180°	-7-82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVC 100S1 FBb	Finger, Skived Bias, Mechanical Fasteners	36 or UCM36	7	62
PVC 100S1 CBb	Finger, Skived Bias, Mechanical Fasteners	36 or UCM36	7	62
PVC 100S1 CFb	Finger, Skived Bias, Mechanical Fasteners	36 or UCM36	7	62
PVC 120S1 FBb	Finger, Skived Bias, Mechanical Fasteners	36 or UCM36	7	62
PVC 120S1 CBb	Finger, Skived Bias, Mechanical Fasteners	1 or UX1	7	125
PVC 120S1 CFb	Finger, Skived Bias, Mechanical Fasteners	1 or UX1	7	125
PVC 150S1 FBb	Finger, Skived Bias, Mechanical Fasteners	36 or UCM36	7	62
PVC 150S1 CBb	Finger, Skived Bias, Mechanical Fasteners	2 or U2	20	125
PVC 150S1 CFb	Finger, Skived Bias, Mechanical Fasteners	2 or U2	20	125
PVC 150S1 CNb	Finger, Skived Bias, Mechanical Fasteners	2 or U2	20	125
PVC 200S1 FBb	Finger, Skived Bias, Mechanical Fasteners	2 or U2	20	125
PVC 200S1 CBb	Finger, Skived Bias, Mechanical Fasteners	3 or U3	25	187
PVC 200S1 CFb	Finger, Skived Bias, Mechanical Fasteners	3 or U3	25	187
PVC 200S1 CNb	Finger, Skived Bias, Mechanical Fasteners	4 or U4	27	187

**Fastener manufacturer should be consulted to review specific belt and application information

Chevron Profile, PVG™ Compound, Interwoven Carcass

Getting a grip on incline conveying

- Chevron top cover profile provides extra grip when conveying products up inclines
- PVG compound provides moderate oil resistance
- Low temperature properties to -20˚F (-29˚C) (intermittent)
- The fusion and high impregnation of this unique interwoven carcass offers superior fastener retention, tear resistance and low stretch qualities for general conveying

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft.²	kg/m²	Approx.	in.	mm	°F	°C
PVG 100S1 VBb	1	100	18	0.240	6.1	0.87	4.2	0.25	2.0	51	-20 - 180°	-29 - 82°
PVG 120S1 VBb	1	120	21	0.250	6.4	0.93	4.5	0.25	2.0	51	-20 - 180°	-29 - 82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVG 100S1 VBb	Finger, Bias Stepped, Mechanical Fasteners	2SP or U2SP	15	125
PVG 120S1 VBb	Finger, Bias Stepped, Mechanical Fasteners	2SP or U2SP	15	125

**Fastener manufacturer should be consulted to review specific belt and application information

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BELT CONCEPTS
INNOVATIVE CONVEYOR BELTING SOLUTIONS



A division of Right Lane Industries, Belt Concepts is recognized as a leading conveyor belt manufacturer. We pride ourselves on being a true partner to the industry, with a variety of standard products, and custom solutions available. Have an unusual application? Our team of experts can help develop solutions that meet your application requirements and help maximize your business' productivity and efficiency.

At Belt Concepts, our customers are not just numbers- they are long standing relationships and partnerships where customer service, on time delivery and premium quality are the focus. We look forward to serving you!

About Right Lane Industries—Right Lane is an industrial holding company that focuses on acquiring manufacturing and industrial service businesses for a permanent holding period. Right Lane Industries is committed to providing its businesses with the resources, energy and capital to bring them to their next level. To learn more, visit rightlaneindustries.com.

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