



Continental
The Future in Motion



Food Processing Conveying Making a Higher Grade

www.contitech.us

ContiTech

Customer-Approved, Quality-Certified

Food processing applications can dish out the worst. That is why Continental ContiTech provides a wide range of field-tested, lightweight conveyor belts that score high marks in some of the most stringent environments. When it comes to bakery, fruit, vegetable, pharmaceutical and meat processing, count on Continental ContiTech to make the grade.

Most every food processing belt includes either RMV® or POR™ special compounds manufactured with FDA/USDA-compliant materials. Both are highly resistant to animal fats, vegetable and mineral oils, as well as many chemicals.

You will find a variety of surface impressions in Continental ContiTech's food processing belts, each designed to improve your options when a profile belt is required. A perfect example is Z-Belt™ a food-approved belt delivering increased product carrying capacity while reducing system vibration on the return side idlers.

For advanced performance that keeps you ahead in one of the most restrictive conveying environments, Continental ContiTech has the belt you are looking for. Call 1-800-LWT-BELT for more information.

**Continental ContiTech
Lightweight Belt Coding System**

Multi-ply spun polyester

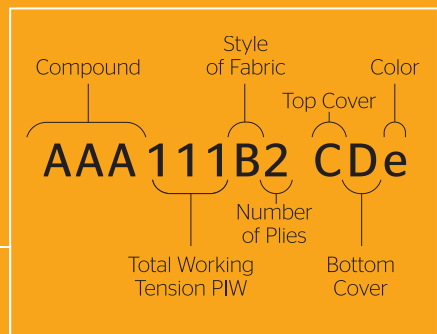
- › HPC™ technology in two-, three- and four-ply construction
- › Superior tracking in both directions
- › Resistance to edge wicking and curling
- › Exceptional splicing capabilities

Multi-ply 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-ply 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



RMV® Compound, Multi-Plied Spun Polyester HPC™

Leaders in the food processing class

› **RMV® compound is FDA/USDA-compliant:**

- Superior resistance to animal fats, vegetable and mineral oils
- High resin content offers state-of-the-art Melt-Weld fabrications

› **Multi-plied spun polyester carcass with HPC™ technology increases strength and durability:**

- 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/m ²		Approx.	in.	mm	°F
RMV 100V2 CFw	2	100	18	0.112	2.8	0.72	3.5	0.30	1.5	38	20-180°	-7 - 82°
RMV 150H2 CFw	2	150	26	0.135	3.4	0.85	4.1	0.30	2.5	64	20-180°	-7 - 82°
RMV 150V3 CFw	3	150	26	0.135	3.4	0.85	4.1	0.30	2.5	64	20-180°	-7 - 82°

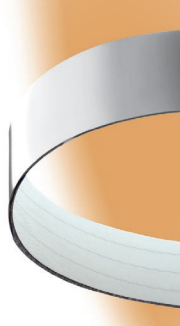
*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
RMV 100V2 CFw	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	36 or UCM36	7	62
RMV 150H2 CFw	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	1 or UX1	7	125
RMV 150V3 CFw	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	1 or UX1	7	125

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

RMV® Compound, Multi-Plied Monofilament HPC™

Excellence in flexibility and precision



- › **RMV® compound is FDA/USDA-compliant and offers:**
 - Superior resistance to animal fats, vegetable and mineral oils
 - High resin content offers state-of-the-art Melt-Weld fabrications

- › **Multi-plyed monofilament carcass with HPC™ technology improves belt versatility:**
 - Excellent transverse rigidity
 - Superior tracking in both directions
 - Resistance to edge wicking and curling
 - Flexibility over small pulleys
 - Thermo-Flo™ splicing capabilities

- › **Ideal for meat, poultry, bakery and vegetable products**

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft. ²	kg/m ²		Approx.	in.	mm	°F
RMV 100RM CLw	2	100	18	0.090	2.3	0.53	2.6	0.18	2.0	51	20-180°	-7- 82°

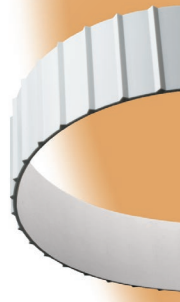
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Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
RMV 100RM CLw	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	36SP or UCM36SP	7	62

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

RMV® Compound, Cleated Profile, Multi-Plied Spun Polyester

At the top of the list in rugged durability



› **Special cleated profile features:**

- Transverse molded cleats built into the belt
- Extra traction on inclines

› **RMV® compound is FDA/USDA-compliant and offers:**

- Superior resistance to animal fats, vegetable and mineral oils
- High resin content offers state-of-the-art Melt-Weld fabrications

› **Multi-ply spun polyester carcass with HPC™ technology increases strength and durability:**

- 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/m ²		Approx.	in.	mm	°F	°C
RMV 150H2 KFw	2	150	26	0.250	6.4	1.07	5.2	0.30	2.5	64	20-180°	-7-82°	

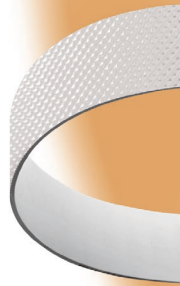
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Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
RMV 150H2 KFw	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	36 or UCM36	7	62

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

RMV® Compound, Tygrip Profile, Multi-Plied Spun Polyester

For a “Grade A” grip on incline conveying



- › Tygrip profile provides extra gripping power for incline conveying
- › RMV® compound is FDA/USDA-compliant and offers:
 - Superior resistance to animal fats, vegetable and mineral oils
 - High resin content offers state-of-the-art Melt-Weld fabrications
- › Multi-ply spun polyester carcass with HPC™ technology increases strength and durability:
 - 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/m ²	Approx.		in.	mm	°F	°C
RMV 100V2 TFw	2	100	18	0.115	2.9	0.67	3.2	0.30	1.5	38	20-180°	-7-82°

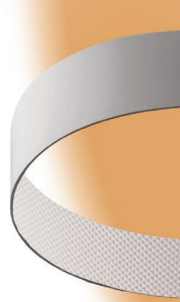
*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
RMV 100V2 TFw	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	36SP or UCM36SP	1	62

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

RMH™ Compound, Quadgrip Profile, HPC™ Carcass

Above average product release characteristics



- › **Hard durometer RMH™ compound is a version of RMV® compound:**
 - Good food release characteristics
 - Superior resistance to animal fats, vegetable and mineral oils
 - FDA/USDA-compliant
 - High resin content offers state-of-the-art Melt-Weld fabrications

- › **Quadgrip bottom cover profile:**
 - Protects the carcass
 - Lowers the coefficient of friction over slider beds

- › **Multi-ply spun polyester carcass with HPC™ technology increases strength and durability:**
 - 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/m ²		Approx.	in.	mm	°F	°C
RMH 220S2 NQw	2	220	39	0.230	5.8	1.38	6.7	0.50	6.0	152	20-180°	-7-82°	

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
RMH 220S2 NQw	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	3 or U3	25	187

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

RMV® Compound, Multi-Plied Monofilament Carcass

Outstanding achievement in non-stick performance



- › **RMV® compound is FDA/USDA-compliant and offers:**
 - Superior resistance to animal fats, vegetable and mineral oils
 - High resin content offers state-of-the-art Melt-Weld fabrications
- › **Quadgrip cover profile:**
 - Good release characteristics when conveying sticky pastries and dough
 - Improved grip for incline service
- › **Multi-ply monofilament carcass with HPC™ technology:**
 - Excellent transverse rigidity
 - Superior tracking in both directions
 - Resistance to edge wicking and curling
 - Flexibility over small pulleys
 - Thermo-Flo™ splicing capabilities

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft. ²	kg/m ²		Approx.	in.	mm	°F
RMV 100RM QLw	2	100	18	0.095	2.4	0.55	2.7	0.18	2.0	51	20-180°	-7-82°

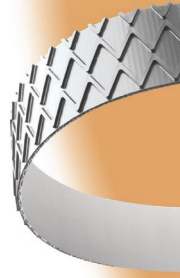
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Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
RMV 100RM QLw	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	36SP or UCM36SP	1	62

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

RMV® Compound, Z-Belt™ Profile, Multi-Plied Spun Polyester

For the highest marks in product flow



- › **Z-Belt™ profile can carry up to 30% more product:**
 - Unique, continuous design reduces vibration on return side idlers
 - Allows for drainage when transporting wet products without changing profile direction

- › **RMV® compound is FDA/USDA-compliant and offers:**
 - Superior resistance to animal fats, vegetable and mineral oils
 - High resin content offers state-of-the-art Melt-Weld fabrications

- › **Multi-ply spun polyester carcass with HPC™ technology increases strength and durability:**
 - 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/m ²	Approx.		in.	mm	°F	°C
RMV 150H2 ZFw-1	2	150	26	0.245	6.2	1.08	5.2	0.30	4.0	102	20-180°	-7-82°

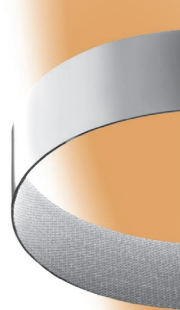
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Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
RMV 150H2 ZFw-1	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	36 or UCM36	7	62

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

POR™ Compound, Single-Ply Interwoven Carcass

For value that earns impressive scores



› **POR™ compound:**

- FDA/USDA-compliant
- An excellent value in a variety of food processing applications
- Good resistance to animal fats, vegetable and mineral oils

› **Single-ply interwoven carcass:**

- Constructed of high quality polyester warp yarns that are interwoven and bound together with the weft yarns
- Superior fastener retention
- Excellent rip and tear resistance
- Low stretch properties

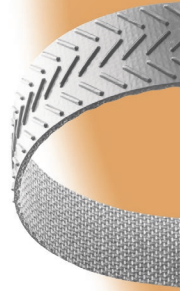
Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW* kN/m	in.	mm	lb./ft. ²	kg/m ²	Approx.		in.	mm	°F	°C
POR 100S1 CFw	1	100	18	0.110	2.8	0.70	3.4	0.30	1.5	38	20-180°	-7-82°
POR 120S1 CFw	1	120	21	0.135	3.4	0.85	4.1	0.30	2.0	51	20-180°	-7-82°
POR 150S1 CFw	1	150	26	0.165	4.2	1.01	4.9	0.30	2.5	64	20-180°	-7-82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
POR 100S1 CFw	Finger, Skived Bias, Mechanical Fasteners	36SP or UCM36	7	62
POR 120S1 CFw	Finger, Skived Bias, Mechanical Fasteners	1 or UX1	7	125
POR 150S1 CFw	Finger, Skived Bias, Mechanical Fasteners	2 or U2	20	125

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

POR™ Compound, Chevron Profile, Interwoven Carcass



For value that rides the inclines

› **POR™ compound:**

- FDA/USDA-compliant
- An excellent value in a variety of food processing applications
- Good resistance to animal fats, vegetable and mineral oils

› **Chevron top cover profile:**

- Improved gripping for incline service
- Reduces carry-back of fine materials
- Easy to clean
- Drains exceptionally well

› **Single-ply interwoven carcass:**

- Constructed of high quality polyester warp yarns that are interwoven and bound together with the weft yarns
- Resistance to edge wicking and curling
- Superior fastener retention
- Excellent rip and tear resistance
- Low stretch properties

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW* kN/m		in.	mm	lb./ft.x ²	kg/m ²		Approx.	in.	mm	°F
POR 100S1 VFw	1	100	18	0.240	6.1	0.87	4.2	0.30	2.0	51	20 -180°	-7 -82°
POR 120S1 VFw	1	120	21	0.250	6.4	0.93	4.5	0.30	2.0	51	20 -180°	-7 -82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
POR 100S1 VFw	Finger, Skived Bias, Mechanical Fasteners	1 or UX1	15	125
POR 120S1 VFw	Finger, Skived Bias, Mechanical Fasteners	1 or UX1	15	125

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

ContiTech



Contact

ContiTech AG
605 North Pine Street
P.O. Box 340
Spring Hope, NC 27882 U.S.A.
1-888-LWT-BELT (1-888-598-2358)

Canada

1-888-LWT-BELT (1-888-598-2358)
FAX 1-800-757-2358

Mexico

1-800-439-7373
+52 (444) 834 5803
FAX +52 (444) 834 5805

Germany

+49 (0)511 938 02
mailservice@contitech.de

www.contitech.us

ContiTech. Engineering Next Level

As a division of the Continental Group, ContiTech is a recognized innovation and technology leader in natural rubber and plastics. As an industry partner with a firm future ahead of us, we engineer solutions both with and for our customers around the world. Our bespoke solutions are specially tailored to meet the needs of the market. With extensive expertise in materials and processes, we are able to develop cutting-edge technologies while ensuring we make responsible use of resources. We are quick to respond to important technological trends, such as function integration, lightweight engineering and the reduction of complexity, and offer a range of relevant products and services. That way, when you need us, you'll find we're already there.



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