

USA

PRODUCT OFFERINGS



Always around

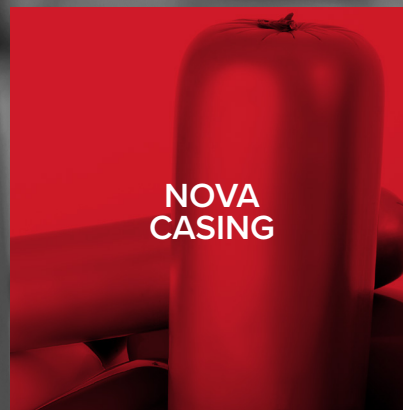
CASINGS & PACKAGING MATERIALS / ViskoTeepak.com



FIBROUS
CASING



CELLULOSE
CASING



NOVA
CASING



COLLAGEN
CASING



PACKAGING
MATERIALS

ViskoTeepak in brief.

ViskoTeepak is one of the biggest manufacturers of fibrous, cellulose and plastic casings in the world. We have production plants, converting facilities and technical support offices worldwide. We're also proud to have the industry's largest business-partner network, through which our products are offered in nearly 100 countries. Our head office (ViskoTeepak Holding Ab), which opened in May 2018, is located in Mariehamn, in Finland's Åland Islands.

In Europe, we have fibrous and cellulose production plants in Lommel (Belgium) and Hanko (Finland). Additionally, we have a plastic-casing production plant in Nuevo Laredo (Mexico). Our converting facilities are located in Delfzijl (Netherlands), Brno (Czech Republic), Kenosha (Wisconsin, USA) and Poznan (Poland). Our sales and representative offices are located all around the globe.

ViskoTeepak is owned by the Eriksson Capital Group, based in Mariehamn, Finland. Eriksson Capital is a privately owned investment company with a focus on small to medium-size high-tech industrial companies operating in the global marketplace. Eriksson Capital is active in various industries such as medical tubing, shipping, real estate, aircraft leasing and asset management.

Learn more at:



viskoteepak.com



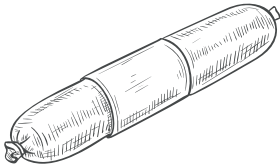
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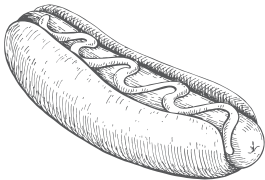
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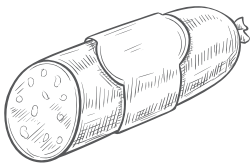
Contents.



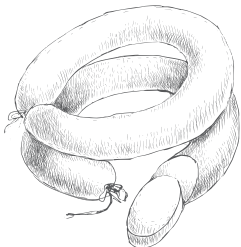
We're the world's leading manufacturer of **fibrous casings**, in terms of volume as well as variety. We offer the widest range of diameters, from the smallest to the largest casing diameter. Fibrous casings are used for a wide range of applications, such as pepperoni, salami, and lunch meats. [Read more on page 6.](#)



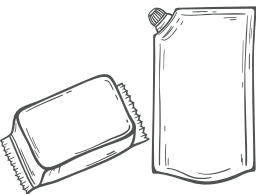
Our **cellulose casings** product line is called Wienie-Pak. We're one of the big players in the cellulose-casing market as well. We offer our customers the most efficient cellulose casing available. Wienie-Pak is used for a wide range of applications, such as frankfurters, hot dogs, beer sausages, and mini-salamis. [Read more on page 12.](#)



Our **plastic casings** product line is called Nova. The Nova casing is a combination of different types of high-performance plastic resins, which work together to provide a unique level of performance. Nova is used for a wide range of applications such as cooked hams, liver sausages, and pâtés. [Read more on page 16.](#)



We supply **collagen casings** from the world's top producers. We offer both edible and non-edible collagen for the US and German markets. Collagen is a strong and flexible casing that is used for a wide range of applications such as cooking, dry, and fresh sausages. [Read more on page 18.](#)



We're a full-line food **packaging materials** supplier to the meat and poultry processing industry. Our packaging materials and brands are today offered mainly in Germany, Canada, Mexico, the Nordics, and the U.S. Our packaging materials are used for a wide range of products such as pouches, shrink bags, and films. [Read more on page 20.](#)

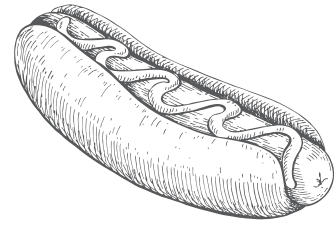
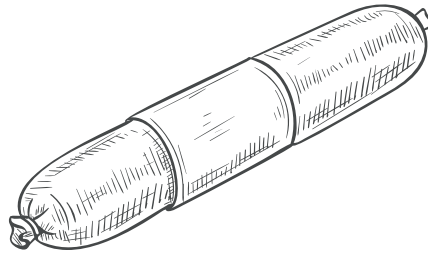
Statement

ViskoTeepak verifies that all information given in this product guide overview is based on our best knowledge and information. ViskoTeepak does not guarantee the accuracy and/or completeness of the information. This guide is solely intended for general information and is not intended to be used as the primary basis for commercial decisions. When starting to use ViskoTeepak products, it is always recommended to complete a product qualification process. The risks associated with the use of ViskoTeepak products is limited to the conditions

defined in the "General Sales Terms and Conditions". These can be consulted at ViskoTeepak.com.

The name ViskoTeepak, the product names Wienie-Pak and Nova and the ViskoTeepak logo are trademarks or registered trademarks of ViskoTeepak Belgium NV and may not be used without the permission of the company.

PRODUCT PORTFOLIO.



● Fibrous Family

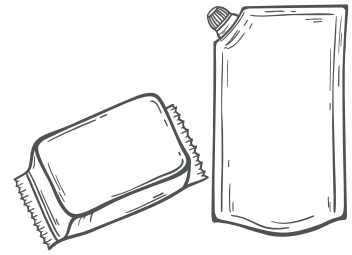
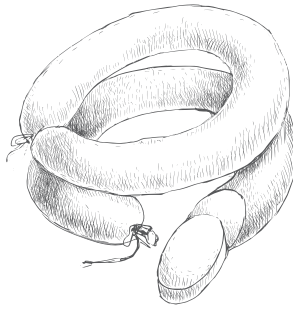
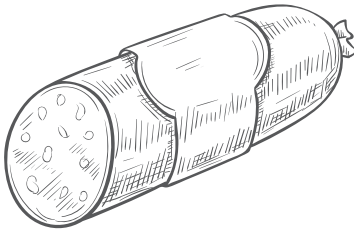
We're the world's leading manufacturer of fibrous casings, in terms of volume as well as variety. We offer the widest range of diameters, from the smallest to the largest casing diameter. Fibrous casings are used for a wide range of applications, such as pepperoni, salami, and lunch meats.

- **Fibrous Standard (ST)**
- **Fibrous MAX**
- **Fibrous Super Protect**
- **Fibrous Glide**
- **Fibrous Xtreme**
- **Fibrous XL/LCXL**
- **Fibrous Brilliant**
- **Fibrous FLX**
- **Fibrous CRF**
- **Fibrous Preserve**

● Cellulose Family

Our cellulose product line is called Wienie-Pak. We're one of the big players in the cellulose-casing market as well. We offer our customers the most efficient cellulose casing available. Wienie-Pak is used for a wide range of applications, such as frankfurters, hot dogs, beer sausages, and mini-salamis.

- **Wienie-Pak Rapid Peel**
- **Wienie-Pak Colored Casing**
- **Wienie-Pak Window**
- **Wienie-Pak D-Tech**
- **Wienie-Pak Printed**
- **Wienie-Pak Logoprint**
- **Wienie-Pak Multicolor Printed**
- **Wienie-Pak Long-Shirred**



● Plastic Family

Our plastic product line is called Nova. The Nova casing is a combination of different types of high-performance plastic resins, which work together to provide a unique level of performance. Nova is used for a wide range of applications such as cooked hams, liver sausages, and pâtés.

- Core Series
- Shape Series
- Industrial Series
- True Series
- Permeable Series

● Collagen Family

We supply collagen casings from the world's top producers. We offer both edible and non-edible collagen for the US and German markets. Collagen is a strong and flexible casing that is used for a wide range of applications such as cooking, dry, and fresh sausages.

- Devro edible (Germany)
- Devro non-edible (Germany)
- Nippi edible (USA)
- Nippi non-edible (USA)
- Fibran non-edible (USA)

● Packaging Family

We're a full-line food packaging supplier to the meat and poultry processing industry. Our packaging materials and brands are today offered mainly in Germany, Canada, Mexico, the Nordics, and the U.S. Our packaging materials are used for a wide range of products such as pouches, shrink bags, and films.

- TNI Elastic Food Loops
- Evolv Shrink Bags
- Ally Films
- Vivid Pouches
- Vista Gel



FIBROUS

● PRODUCT PORTFOLIO

- Fibrous Standard (ST)
- Fibrous MAX
- Fibrous Super Protect
- Fibrous Glide
- Fibrous Xtreme
- Fibrous XL/LCXL
- Fibrous Brilliant
- Fibrous FLX
- Fibrous CRF
- Fibrous Preserve

Fibrous casing is a cellulose-based casing strengthened with natural long-fibered abaca paper, sometimes called manila hemp fiber, which combines exceptionally high tensile strength with consistent extrusion properties in a form that renders it ideally suited for sausage casings. Due to its strength and dimensional stability, fibrous casing is traditionally seen as one of the most versatile and comprehensive packaging materials.

Widest size offering: 28–245

Color: 38 color options

Converting: 14 converting options

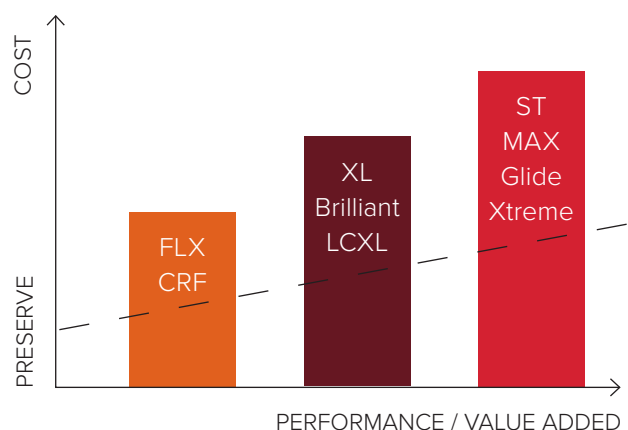
Adhesion levels: Widest range for tailor-making

100% biodegradable

No. 1 producer in the world

Most common applications:

- ✓ Cooked and smoked hams
- ✓ Dry and semi-dry salamis
- ✓ Cooked and smoked sausages
- ✓ Smoked cheese
- ✓ Luncheon meats
- ✓ Sliced products
- ✓ Chub sausages
- ✓ Vegetarian sausages



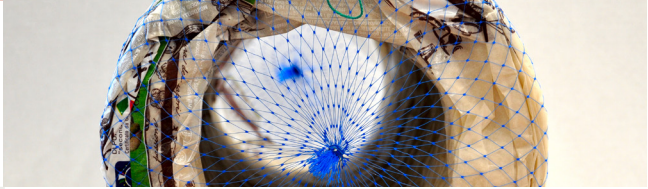


Fibrous MAX

Pre-stretched for maximized dry flat width. Extra-large inner bore of the shirred strand. It will speed up your process.

Fibrous ST

Our workhorse. It's available in the world's most comprehensive range of calibers, and with multiple features and options.



Fibrous Glide

An internal coating for a smooth internal surface. Perfect for stuffing whole-muscle and large-chunk products. Excellent for frozen-peeled.

Fibrous Super Protect

A designed tailor-made solution for high demanding white mold salamis. It's developed with extensive customer feedback and rigorous field testing.



Fibrous XL/LCXL

Lightweight but exceptionally strong construction. It's a good alternative when the superior properties of the ST casing aren't needed.

Fibrous Xtreme

For extreme conditions in dry sausage production with in-house peeling and slicing.



Fibrous FLX

The thinnest fibrous casing ever produced with a glossy appearance. More meters per strand or reel, faster soaking with greater transparency.

Fibrous Brilliant

A lightweight construction combined with a coating to create a glossy appearance that will catch the customer's attention.

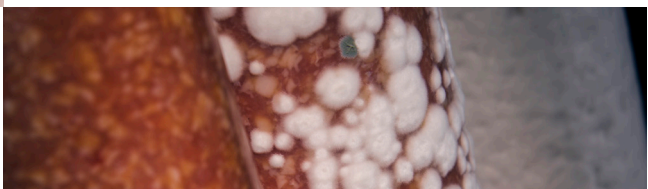


Fibrous Preserve

This antimycotic coating can be applied to all Fibrous casings to inhibit and reduce fungal growth.

Fibrous CRF

The thinnest fibrous casing ever produced with a matte appearance designed to outperform and replace collagen casings by offering the benefits of the fibrous casing.



Available US sizes, RSD and circumferences

Caliber		ST			MAX			XL/LCXL			FLX/CRF		
US size	Trade size	RSD mm	RSD in	Circ.	RSD mm	RSD in	Circ.	RSD mm	RSD in	Circ.	RSD mm	RSD in	Circ.
V 1/6	28	28	1.10	3 15/32									
V 1SV	32	32	1.26	3 31/32				32	1.26	3 31/32			
V 1/4	33	33	1.30	4 3/32	35	1.38	4 11/32	33	1.30	4 3/32			
V 1SU	34	34	1.34	4 7/32				34	1.34	4 7/32			
V 1/3	35	35	1.38	4 11/32	38	1.50	4 23/32	35	1.38	4 11/32			
V 1ST	36	37	1.46	4 19/32				37	1.46	4 19/32	39 / 39	1.54	4 27/32
V 1/3L	37	38	1.50	4 23/32	40	1.57	4 30/32	38	1.50	4 23/32			
V 1/2SP	38	39	1.54	4 27/32				39	1.54	4 27/32			
V 1SP	39	40	1.57	4 30/32				40	1.57	4 30/32	42 / 42	1.65	5 6/32
V 1/2P	40	42	1.65	5 6/32	43	1.69	5 10/32	42	1.65	5 6/32	43 / 43	1.69	5 10/32
V 1/2PL	41	43	1.69	5 10/32	44	1.73	5 14/32	43	1.69	5 10/32	44	1.73	5 14/32
V 1SL	42	44	1.73	5 14/32	46	1.81	5 22/32	44	1.73	5 14/32			
V 1SD	43	45	1.77	5 18/32				45	1.77	5 18/32	46 / 46	1.81	5 22/32
V 1K	44	46	1.81	5 22/32	47	1.85	5 26/32	46	1.81	5 22/32	48	1.89	5 30/32
V 1S	45	48	1.89	5 30/32	50	1.97	6 6/32	48	1.89	5 30/32	50 / 50	1.97	6 6/32
V 1SM	46	50	1.97	6 6/32	51	2.01	6 10/32	50	1.97	6 6/32			
V 1	47	51	2.01	6 10/32	52	2.03	6 12/32	51	2.01	6 10/32	53 / 53	2.09	6 18/32
V 1LM	47.5	52	2.05	6 14/32	52.5	2.07	6 16/32						
V 1L	47.8	52.5	2.07	6 16/32	53	2.09	6 18/32						
V 1W	48	53	2.09	6 18/32	54	2.13	6 22/32	53	2.09	6 18/32	54 / 54	2.13	6 22/32
V 1WM	49	53.5	2.11	6 20/32	54.5	2.05	6 14/32						
V 1M	50	54	2.13	6 22/32	56	2.20	6 29/32	54	2.13	6 22/32	56 / 56	2.20	6 29/32
V 1 1/2	52	55	2.17	6 26/32									
V 1 1/2K	53	56	2.20	6 29/32	58	2.28	7 5/32	56	2.20	6 29/32	58 / 58	2.28	7 5/32
V 1 1/2S	54	57	2.24	7 1/32									
V 2G	55	58	2.28	7 5/32	61	2.40	7 17/32	58	2.28	7 5/32	61 / 61	2.40	7 17/32
V 2M	56	59	2.32	7 9/32	61	2.40	7 17/32	59	2.32	7 9/32			
V 2	57	61	2.40	7 17/32	63	2.48	7 25/32	61	2.40	7 17/32	63 / 63	2.48	7 25/32
V 2SL	58	63	2.48	7 25/32	65	2.56	8 1/32	63	2.48	7 25/32			
V2L	60	65	2.56	8 1/32	67	2.64	8 9/32	65	2.56	8 1/32	67 / 67	2.64	8 9/32
V 2S	62	62	2.68	8 14/32	69	2.72	8 17/32	62	2.68	8 14/32	69	2.72	8 17/32
V 2 1/2K	63	69	2.72	8 17/32	71	2.80	8 25/32	69	2.72	8 17/32	71 / 71	2.80	8 25/32
V 2 1/2S	65	70	2.76	8 21/32	72	2.83	8 28/32	70	2.76	8 21/32			
V 2 1/2	68	73	2.87	9	74	2.91	9 4/32	73	2.87	9	74	2.91	9 4/32
V 2 1/2R	69	74	2.91	9 4/32	75	2.95	9 8/32						
V 3S	70	76	2.99	9 12/32	78	3.07	9 20/32	76	2.99	9 3/8	78	3.07	9 20/32
V 3 1/2	71	78	3.07	9 20/32	79	3.11	9 24/32	78	3.07	9 5/8	79	3.11	9 24/32
V 3 1/2L	73	81	3.19	10 1/32									
V 4S	75	82	3.23	10 5/32	83	3.27	10 9/32	82	3.23	10 5/32	83 / 83	3.27	10 9/32
V 4	77	84	3.31	10 13/32	85	3.35	10 17/32						
V 4L	79	86	3.39	10 21/32	87	3.46	10 28/32						
V 5	80	88	3.46	10 28/32	90	3.54	11 4/32	88	3.46	10 7/8	90	3.54	11 4/32
V 5K	82	90	3.54	11 4/32	91	3.58	11 8/32						
V 5 L	83	91	3.58	11 8/32	92	3.62	11 12/32						

Available US sizes, RSD and circumferences

Caliber		ST			MAX			XL/LCXL			FLX/CRF		
US size	Trade size	RSD mm	RSD in	Circ.	RSD mm	RSD in	Circ.	RSD mm	RSD in	Circ.	RSD mm	RSD in	Circ.
V 5 1/4	84	93	3.66	11 16/32	94	3.70	11 20/32						
V 5 1/2	85	94	3.70	11 20/32	95	3.74	11 24/32	94	3.70	11 20/32			
V 5N	88	97	3.82	12	98	3.86	12 4/32	97	3.82	12			
V 6G	89	99	3.90	12 8/32				99	3.90	12 8/32			
V 6M	90	101	3.98	12 16/32	102	4.02	12 20/32	101	3.98	12 16/32			
V 6K	91	102	4.02	12 20/32				102	4.02	12 20/32			
V 6N	92	103	4.06	12 24/32	104	4.09	12 27/32	103	4.06	12 24/32			
V 6S	95	105	4.13	12 31/32	106	4.17	13 3/32						
V 6	96	106	4.17	13 3/32				106	4.17	13 3/32			
V 6 1/2	100	109	4.29	13 15/32	110	4.33	13 19/32	109	4.29	13 15/32			
V 6 1/2M	102	111	4.37	13 23/32	112	4.41	13 27/32	111	4.37	13 23/32			
V 7	104	114	4.49	14 3/32									
V 7 T	105	115	4.53	14 7/32	116	4.57	14 11/32						
V 7 L	106	116	4.57	14 11/32	117	4.61	14 15/32	116	4.57	14 11/32			
V 7 1/2	107	117	4.61	14 15/32									
V 7 1/2K	108	118	4.65	14 19/32									
V 7 1/2L	109	119	4.69	14 23/32									
V 8S	110	122	4.80	15 2/32									
V 8T	111	123	4.84	15 6/32	124	4.88	15 10/32	123	4.84	15 6/32			
V 8	112	124	4.88	15 10/32	125	4.92	15 14/32						
V 8 1/2	113	125	4.92	15 14/32				125	4.92	15 14/32			
V 8 1/2M	114	125	4.92	15 14/32									
V 8L	115	127	5.00	15 22/32	128	5.04	15 26/32						
V 9M	118	131	5.16	16 6/32	132	5.20	16 10/32	131	5.16	16 6/32			
V 9	120	133	5.24	16 15/32	134	5.28	16 19/32						
V 9L	127	136	5.35	16 26/32	137	5.39	16 30/32						
V 9 1/2	130	139	5.47	17 6/32	140	5.51	17 10/32	139	5.47	17 6/32			
V 9 1/2K	133	143	5.63	17 22/32	144	5.67	17 26/32	143	5.63	17 22/32			
V 10	135	144	5.67	17 26/32	145	5.71	17 30/32						
V 10L	140	147	5.79	18 6/32				147	5.79	18 6/32			
V 10 1/2	145	150	5.91	18 18/32									
V 11	150	156	6.14	19 9/32	157	6.14	19 9/32	157	6.14	19 9/32			
V 11L	153	158	6.22	19 17/32	159	6.26	19 21/32						
V 11 1/2	160	167	6.57	20 20/32									
V 12	165	172	6.77	21 8/32	173	6.81	21 12/32	172	6.77	21 8/32			
V 12 1/2	169	176	6.93	21 24/32	177	6.97	21 28/32						
V 12L	175	180	7.09	22 8/32									
V 13	185	190	7.48	23 16/32									
V 14	195	203	7.99	25 3/32									
V 18	210	216	8.50	26 22/32									
V 20	230	236	9.29	29 5/32									
V 24	245	252	9.92	31 5/32									

Preserve. Glide. Xtreme sizes are available upon request. Super Protect is available in sizes 70, 77, 80, 85, 90 & 95. Other sizes upon request.

Color options.

Standard colors		ST/XL/LCXL/BRILLIANT		FLX/CRF	Notes
		Hanko	Lommel	Lommel	
○	Clear 00	★	★	★	
●	Color 04 (Light Blue)	★	★	★	
●	Color 05 (Blue)	★			
●	B 07	★	★	★	
●	Nat 08		★	★	
●	Light Mahogany 10	★	★	★	
●	SB 12	★			
●	Amber 13	★	★	★	
●	Mahogany 17	★			Hanko, available in sizes up to 75
●	Red 18	★	★	★	Hanko, available in sizes up to 75
●	Cherry Red 20		★	★	
●	Sienna Color 23		★	★	
●	Nat 30	★	★	★	
●	Nat 34	★	★	★	
●	Nat 35	★	★	★	
●	Orange Brown 36	★	★	★	
●	Meranti 37		★	★	
●	Nat 40	★	★	★	
●	Black 41	★	★	★	
●	Nat 55	★	★	★	
●	Onion 56	★	★	★	
●	Dark Cherry Red 79	★			Hanko, available in sizes up to 75
●	Light Orange 82	★			
●	Amber 83	★	★	★	
●	Brown Mahogany 84	★			Hanko, available in sizes up to 75
●	Brown 85	★			
●	Brown 86	★			Hanko, available in sizes up to 75
●	Hazelnut 88	★			
●	Brown 89	★			
●	Nat 90	★			
●	Brown Mahogany 91	★			Hanko, available in sizes up to 75
●	Dark brown 92	★	★	★	
●	Brown 93		★	★	
●	Dark Mahogany 95	★			
●	Brown 96	★			
●	Red Mahogany 97	★			Hanko, available in sizes up to 75
●	Red Brown 98	★			
●	Red 99	★			

Xtreme casing is offered only in Clear 00. Glide, Preserve and Super Protect are available upon request. Other colors are available upon request. Please look at our color books for most accurate color sample.

Tailor-made via converting.

With its most comprehensive selection of casings and fibrous solutions in the world complemented with numerous converting services and techniques in a wide variety of possible combinations, ViskoTeepak feels comfortable in saying that we have something to offer to each and every customer. Our solutions are simply some of the most productive solutions around. We stand by our word, so, give us the chance to develop and test our tailor-made solutions for your operations. We'll prove our words in numbers and facts.

Options	ST	XL & LCXL	Max	Brilliant	FLX & CRF	Xtreme	Preserve	Super Protect	Glide
Calibers	28–245	32–165	35–169*	33–100	36–75	48–90	32–100	57–105	75–165
Shirring	★	★	★	★	★	★	★	★	★
EasyPeel	★	★	★	★	★	★	★	★	★
RTU	★	★	★	★	★	★	★	★	★
Printing	★	★	★	★	★	★	★	★	★
Netting	★	★	★	★	★	★	★	★	★
Smoke	★		★						
Cutting	★	★	★	★	★	★	★	★	★
Rewinding	★	★	★	★	★	★	★	★	★
Clipping	★ (<195)	★ (<90)	★ (<90)	★ (<90)	★	★	★	★	★ (<195)
Pre-sticking	★	★	★	★	★	★	★	★	★
Drilling	**	★	★	★	★	★	★	**	**
Sewing	★			★				★	
Tying	★ (<195)	★ (<90)	★ (<90)	★ (<90)	★	★	★	★	★ (<195)
Bundling	★	★	★	★	★	★	★	★	★

* Other sizes available upon request; ** in combination with tying or clipping only

Read more in our full Fibrous product guide found on www.viskoteepak.com



CELLULOSE

● WIENIE-PAK PRODUCT PORTFOLIO

- Wienie-Pak Rapid Peel
- Wienie-Pak Colored Casing
- Wienie-Pak Window
- Wienie-Pak D-Tech
- Wienie-Pak Printed
- Wienie-Pak Logoprint
- Wienie-Pak Multicolor Printed
- Wienie-Pak Long-Shirred

Wienie-Pak casings are made of regenerated cellulose that's extruded to create a strong, tough small-caliber product ideal for wiener and frankfurter type sausages. Wienie-Pak casings are smoke, air and moisture permeable, so they provide customer satisfaction with consistent quality and utmost efficiency time after time. ViskoTeepak Wienie-Pak has a complete range of sizes, from the smallest caliber 13 for mini-salamis and snack products to 40. We have a casing for every size demand.

Colors and stripes: 22 different choices

End closures: 4 types

Packaging options: 14 different options

Long-Shirred products that fit your technology & equipment

100% biodegradable

Tailor-made to fit your need

Most common applications:

- ✓ Skinless sausages
- ✓ Frankfurters
- ✓ Smoked frankfurters
- ✓ Hot dogs
- ✓ Smoked hot dogs
- ✓ Mini salamis



Wienie-Pak Rapid Peel

For easy peeling of skinless frankfurters. Designed for demanding applications at extremely high speeds.

Wienie-Pak Colored Casings

Colored casings are a universal marketing tool that can be used everywhere regardless of local traditions.



Wienie-Pak Window

Ultimate process control while keeping maximum speeds. Detection of casing in peeling operations, while still being able to track the sausage color formation during processing.

Wienie-Pak D-Tech

Easy detection of casing in peeling operations, while still being able to track the sausage color formation during processing.



Wienie-Pak Printed

A casing that combines high productivity and easy handling with the increased appeal of your products. It can be printed with customer logos or in line with customer-specific requirements.

Wienie-Pak Logoprint

Highlight your brand on both the casing and the actual sausages. LogoPrint casing provides you with the unique possibility to promote your brand by imprinting it on your final product.

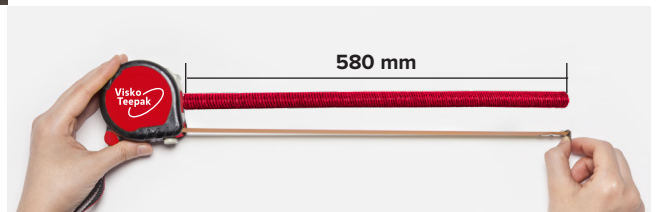


Wienie-Pak Multicolor Printed

















A Highly productive and easy handling cellulose casing which can be tailored with customer-specific printing options.

Wienie-Pak Long-Shirred

Long-shirred products are products that fit each customer's technology and equipment. A growing interest in longer products is specifically for Alkar J-con lines.



Color options

Solid colors		Striped colors		Window colors	
 Clear	 Smoke ultra light	 White	 Blue/clear		
 Smoke light	 Smoke V	 White smoke light	 Red/clear		
 Smoke medium	 Blue	 Black	 Green/clear		
 Smoke dark	 Red	 Blue			
 Smoke gold	 Green	 Red			



See color books for the most accurate color sample

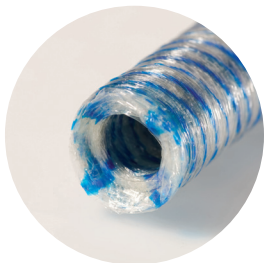
Recommended stuffing machine settings

Casing size			RSD* (mm)	Marel-Townsend			Other metric horn (mm)	
Nom.	EU	US		Horn		Chuck number "/32		Linking chain
				mm	"/32			
13	1300	13	14.0	7.9	10	13, 14	C	8
14	1400	14	15.2	8.7	11	14, 15	C	8
	1450	15	15.8	8.7	11	14, 15	C	9
15	1550	16	16.2	9.5	12	15	C	9
16	1600	17	16.8	9.5	12	15, 16	C	9
	1650	18	17.5	10.3	13	16, 17, 18	C	10
17	1700	19	18.3	10.3	13	17, 18, 19	C-S	10
18	1750	20	18.9	11.1	14	18, 19	C-S	11
19	1850	21	19.5	11.1	14	19, 20	C-S	11
20	1950	22	20.0	11.9	15	20, 21	S	11
21	2050	23	21.0	11.9	15	20, 21, 22	S	12
22	2150	24	22.0	12.7	16	21, 22	S-L	12
23	2250	25	23.0	12.7	16	22, 23	S-L	12
24	2350	26	24.0	13.5	17	23, 24	S-L	13
25	2450	27	25.0	13.5	17	24, 25	S-L	13
26	2550	28	26.0	15.9	20	25, 26	L	16
27	2650	29	27.0	15.9	20	26, 27	L	16
28	2750	30	28.0	16.7	21	27, 28	L	17
30	2950	32	29.5	16.7	21	29	L	17
32	3150	34	31.5	17.5	22	29	L	18
34	3350	36	33.5	18.3	23	32	L	19
38	3750	40	37.0	19	24	34	L	19

Tailor-made products are available. *RSD = Recommended stuffing diameter.

Casing properties

Casing size			RSD* (mm)	Construction	Solid color	Stripe color	Number of stripes	Printed	Definition
Nom.	EU	US							
13	1300	13	14.0	0	C, SL, BI	W, Bk	3, 4	No	Solid Colors C= Clear SL= Smoke Light SM= Smoke Medium SD = Smoke Dark BL= Blue
14	1400	14	15.2	0	C, SL, BI	W, BI	3, 4	No	
	1450	15	15.8	0, G	C, SL, BI	W, Bk, BI, R	3, 4	No	
15	1550	16	16.2	0, G, W	C, SL, BI	W, Bk, BI, R	3, 4	No	
16	1600	17	16.8	0, G, W	C, SL, BI	W, Bk, BI, R	3, 4	No	
	1650	18	17.5	0, G	C, SL, BI	W, Bk, BI, R	3, 4	Yes	
17	1700	19	18.3	0, G, U,W	C, SL, BI	W, Bk, BI, R	3, 4	Yes	
18	1750	20	18.9	0, G, W	C, SL, BI	W, Bk, BI, R	3, 4	Yes	
19	1850	21	19.5	0, G, W	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	
20	1950	22	20.0	0, G, W	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	
21	2050	23	21.0	0, W	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	Stripe Colors W = White Bk= Black BI= Blue R= Red
22	2150	24	22.0	0, G, J, W	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	
23	2250	25	23.0	0, J, W	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	
24	2350	26	24.0	0, J	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	
25	2450	27	25.0	0	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	Construction 0 = Standard G = Stiff W = Flexible J = Super Stiff/Less Strong
26	2550	28	26.0	0, J	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	
27	2650	29	27.0	0	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	
28	2750	30	28.0	0, J	C, SL, SM, SD, BI	W, Bk, BI, R	3, 4	Yes	
30	2950	32	29.5	0	C, SL, SM, SD, BI	W, BI, R	3, 4	Yes	
32	3150	34	31.5	0	C, SL, SM, SD, BI	W, BI, R	3, 4	Yes	
34	3350	36	33.5	0	C, SL	BI, R	3, 4	Yes	
38	3750	40	37.0	0	C, SL	BI	3, 4	No	



Open end (OE)



Closed end (CE)



Push-pak (CE-PP)



Knotted end (CE-KN)

Read more in our full Wienie-Pak product guide found on www.viskoteepak.com



PLASTIC

● NOVA PRODUCT PORTFOLIO

- Core Series
- Shape Series
- Industrial Series
- True Series
- Permeable Series

Nova is a wide group of engineered plastic casing products extruded from a variety of raw materials combined to develop unique performance properties. Ranging from one to multi-layers, each raw material is melted at an individual extruder to form a tubing. Once formed, the seamless tubular film of many Nova products may be stretched or oriented through a bubble process to create specific mechanical and physical properties.

8+8 color printing

Traceability system and codes for many products

Converting: Wide variety of options

High number of meters per shirred strand

Tailor-made to meet customer requirements

Broad selection of casings and color options

Most common applications:

- ✓ Raw meat
- ✓ Chorizo
- ✓ Cheese
- ✓ Liver sausages/ Pâté
- ✓ Cooked/Smoked sausages

Read more in our full Plastic product guide found on www.viskoteepak.com





Shape Series

Shape Series of products create a wide spectrum of shapes with ease. Designed for non-cylindrical products, special features of shrink, adhesion and thickness are tailor made to your application.



True Series

Nova True series offer the power of a stable, stronger oriented plastic casing designed for cylindrical products.



Core Series

Core series encompasses our group of high-performance multilayer plastic casing suitable for all types of round / cylinder-shaped products.



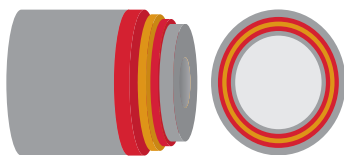
Industrial Series

Industrial Series offers a range of single layer solid materials for optimizing performance. Packed with features for ease of use targeted to your application, we have a solution.



Permeable Series

Permeable Series uses moisture- and oxygen-permeable plastics, creating a cost-effective and consistent plastic casing product.



Nova basic structure

Polyamide Tie layer Polyolefine Tie layer Polyamide



Nova Attributes

Attributes	Availability
Shrink Levels	0%, 5%, 8%, 10%, 12%, 15%
Meat Adhesion	Standard, AP, HA, HA+
Easy Release	LA, MR, MR+, SES, EP
O₂ Barrier	Permeable, Low Barrier, Medium Barrier, High Barrier
Gauge (mic)	38,43,45,48,50,55
Flexibility	Low Flex, Standard Flex, High Flex
Special Function	UV, PR, SMOKE

Series Name	Applications	Product options
Core Series	Cooked Ham & Poultry, Vegan, Meat Analogues, Butter, Cheeses. Retail and long shelf life oriented.	L, X, RC, RCF, RHB, PR
Shape Series	Square or Rectangular Ham, Poultry or Plant Based, D-Shaped, Natural Shapes and molds. Retail and long shelf life as well as food service applications.	HX, XHA, RM, XHA+, PR, RS
Industrial Series	Raw & Frozen Beef, Pork & Poultry Rolls, In House Sliced and Diced Ham, Poultry and Alt-Meats, Hot Dogs, Hot Fill Soups & Gravies, Chorizo. In house and food service product oriented.	M5, PB, PLL, PHD, C, SCF
True Series	Pet foods thermally processed retail, Liverwurst, small diameter chubs, braunschweigers, meat analogue rolls. Retail oriented small diameters or harsh thermal processes.	RHC, XT, LT, REP, RXM, RP
Permeable Series	Allows you to produce cured, smoked, and fermented items while gaining performance and cost advantages.	HD-P, PN, PM

COLLAGEN

● NIPPI & FIBRAN PRODUCT PORTFOLIO

- Devro edible (Germany)
- Devro non-edible (Germany)
- Nippi edible (USA)
- Nippi non-edible (USA)
- Fibran non-edible (USA)

ViskoTeepak is working with some of the biggest and best producers in the world and can in partnership with them offer you some of the best casing solutions in the collagen business. For the U.S. market we offer Nippi as edible and Fibran as non-edible collagen.

Safe & hygienic: Minimal handling vs. natural casing

Saves money: Tight diameter control and reduced shrink for improved yields

Consumers like it: Strong casing with a tender bite

Versatile: Designed for a wide range of applications

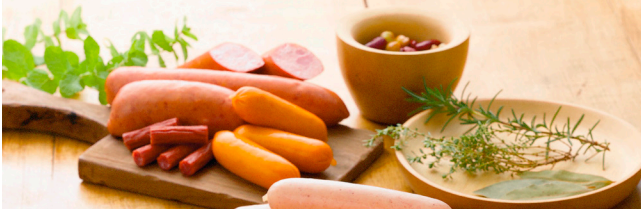
Available in the USA

Most common applications:

- ✓ Breakfast; pork, turkey and chicken links
- ✓ Andouille
- ✓ Chorizo
- ✓ Fresh sausages
- ✓ Smoked sausages
- ✓ Semi-dried sausages
- ✓ Dried sausages

Read more in our full Collagen product guide found on www.viskoteepak.com





Nippi R-type

For processed, smoked, semi-dry and dry sausages. The extra strong membrane enables trouble-free high-speed stuffing which improves profitability.

Nippi K-type & CK-type

Nippi K-type is designed to provide alternative bite properties vs. the standard R-type casing. Nippi CK-Type is designed with more resistance for a snappy snack stick bite.



Nippi F-type

For fresh sausages cooked quickly by dehydrated heat. It's able to maintain its shape when cooked; there is very little shrinkage, so breakage and pull back after frying is minimal.



Nippi NF-type

Nippi NF is an edible casing designed for improved machining on loading equipment and reduced sticking during skillet frying. It's perfect for fully cooked fresh sausages.



Fibran S1

This high-quality non-edible collagen casing is most suitable for processing of all kinds of cured meats.

Fibran NF

This high-quality, non-edible collagen casing is ideal for cooked sausages or those subject to prolonged cooking processes and other products that require a high permeability and adherence.



SET - Straight Edible Tender

SET is a straight edible tender specially meant for smoked and cooked sausages in large calibers. This casing is the most convenient for sausages bigger than caliber 38.

TER - Tender Edible Round

TER is a tender edible round casing specially meant for substitution of natural casing, with excellent bite. This casing is suitable for fresh, cooked and smoked sausages (Frankfurt type).



COLEX - Edible Collagen Casing

COLEX is an edible collagen casing specifically meant for cured and cooked sausages. This ready to use casing provides high adherence and elasticity, an extra thin wall and soft bite. COLEX is available in straight and round shape.

PACKAGING

● PACKAGING MATERIAL PORTFOLIO

- TNI Elastic Food Loops
- Evolv Shrink Bags
- Ally Films
- Vivid Pouches
- Vista Gel

ViskoTeepak is a food-packaging supplier with more than four decades of service to the food industry. Today, our packaging materials are mainly offered in Germany, Canada, USA and Mexico. Please contact your ViskoTeepak sales representative for availability in your country. Our packaging materials covers a wide range of products, such as, pre-tied elastic food loops, films, shrink bags, pouches and alginate gel.

All products available from one supplier

Added value: With technical support

One-stop shop: From casings to packaging materials

Food safety & high certification level

Easy to use

Read more in our full Packaging product guide found on www.viskoteepak.com





Vivid Pouches

Vivid pouches offer a Ten-color high-resolution rotogravure printing. Colors pop and gives images an exceptionally photo-realistic look, making your product stand out for strong sales and profit.



Evolv Shrink Bags

ViskoTeepak Evolv shrink bags have excellent gloss, clarity and shrink to provide the best appearance for maximizing sales.



Ally Films

ViskoTeepak films offer multiple gauge, treatment and color options. High quality printing capabilities will allow upgrading graphics to the latest designs. Wide sealing temperature ranges provide a reliable seal at high speeds.



Vista Gel

Vista Gel is a sodium alginate based product ideally suited for use in the co-extrusion manufacture of all types of sausages. Sodium alginate is a sustainable casing material.

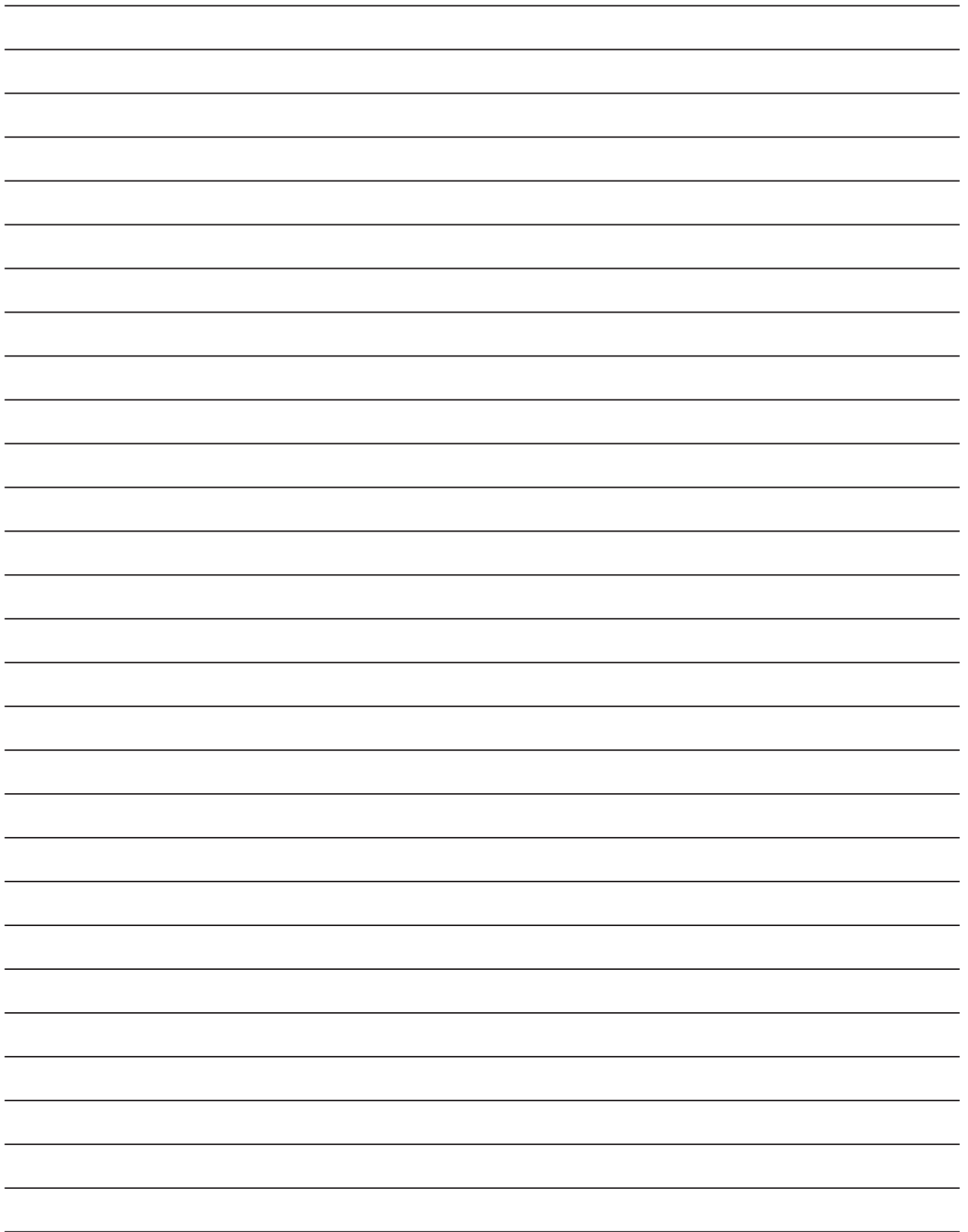


TNI Elastic Food Loops

Our pre-tied loops are used primarily for chicken trusses for rotisserie chicken processing, but they can also be used for tying corn-husk-wrapped tamales, holding bacon on filets, tournedos, and many other applications.

Common Applications

Product	Applications
Ally Films	Cheese, Fish, Sea food, Bakery Products
Vivid Pouches	Pet food, Jerky, Deli, Coffee
Vista Gel	Vegetarian sausages, Fish, Meat sausages, Poultry sausages
Evolv Shrink Bags	Processed/Fresh/Smoked meats,Sausages, Fish, Cheese
TNI Plastic Loops	Rotisserie chicken, Beef roll-ups, Tamales, Tournedos





Always around

Contact information for your local sales representative can be found at www.viskoteepak.com

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