

Technical  
Booklet



# Endless Woven Belts

Coatings, Impregnations, Profiles & Standard Applications

# Endless Woven Belts

## Tolerances

	Length	Width	Thickness
<b>PR series</b>			
+/- 2%;		< 1000 mm +/- 1 mm	+/- 0.2 mm
+/- 20 mm min.		1000 - 3000 mm +/- 2 mm	
		> 3000 mm +/- 3 mm	
<b>GK100 series</b>			
+/- 2%;		<b>Slit</b>	+/- 0.2 mm
+/- 20 mm min.		< 1000 mm +/- 1 mm	
		1000 - 3000 mm +/- 2 mm	
		> 3000 mm +/- 3 mm	
		Not slit	
		+/- 2%; min. +/- 5 mm	
<b>GK1000 series not used as AmPull</b>			
+/- 2%;		Slit	+/- 0.2 mm
+/- 20 mm min.		< 1000 mm +/- 1 mm	
		1000 - 3000 mm +/- 2 mm	
		> 3000 mm +/- 3 mm	
		Not slit	
		+/- 2%; min. +/- 5 mm	
<b>GK1000 series used as AmPull</b>			
1002-1402-1752	+/-0.7%	Slit	+/- 0.2 mm
2502-4502	+/- 1% 20 mm min	< 1000 mm	+/- 1 mm
L < 1500 mm	+/- 2% 20 mm min	1000 - 3000 mm	+/- 2 mm
		> 3000 mm	+/- 3 mm
		Not slit	
		+/- 2%; min. +/- 5 mm	
<b>GK212 series</b>			
+/- 2%;		<b>Slit</b>	+/- 0.2 mm
+/- 20 mm min.		< 1000 mm +/- 1 mm	
		1000 - 3000 mm +/- 2 mm	
		> 3000 mm +/- 3 mm	
		<b>Not slit</b>	
		+/- 2%; min. +/- 5 mm	
<b>AmDough</b>			
+/- 2%;		+/- 2%; min. +/- 5 mm	+/- 0.2 mm
+/- 20 mm min.			
<b>AmWrap</b>			
+/- 2%;		<b>Slit</b>	+/- 0.2 mm
+/- 20 mm min.		< 1000 mm +/- 1 mm	
		1000 - 3000 mm +/- 2 mm	
		> 3000 mm +/- 3 mm	
		<b>Not slit</b>	
		+/- 2%; min. +/- 5 mm	
<b>AmWrap Hot</b>			
+/- 2%;		+/- 2%; min. +/- 30 mm	+/- 0.5 mm
+/- 20 mm min.			
<b>AmSqueeze</b>			
+/- 1%		-0 +2 mm	+/- 0.2 mm
<b>AmTube</b>			
+/- 0.7%;		+/- 1 mm	+/- 0.2 mm

# Quick-Reference – Endless Woven, seamless belting

## Quick-Reference list

Article Code (Line#)	Series	Force N/mm at 1% Elongation	Thickness in mm	Minimum Length mm	Maximum Length mm	Minimum width mm	Maximum width mm	Seamless Endless Woven	Double-ply Not Endless	Double fabric Not Endless	Plain Weave	Twill Weave	Broken Twill Weave	Straight Warp	Warp top	Warp bottom	We ft	Coated	Uncoated	Selvedge	Cut edge-Spun-When coated	Cut edge-Spun-When both sides coated	Cut Edge spun when coated
PR343	PR	0.5	260	2160	10 4000	■		■						ES	ES	■			■				
PR346	PR	0.9	260	2160	10 4000	■		■						ES	ES	■			■				
PR3420	PR	1.6	2161	8000	10 4000	■		■						ES	ES	■			■				
PR4000	PR-Heavy	1.4	2161	8000	10 4000	■		■						E	ES	■			■				
PR6000	PR-Heavy	1.6	2161	8000	10 4000	■		■						E	ES	■			■				
PR346E	PR-Elastic	0.8	260	2000	10 4000	■		■						ES-Elastic	ES	■			■				
PR3420 E	PR-Elastic	1.2	2001	5000	10 4000	■		■						ES-Elastic	ES	■			■				
(G)K101	GK-Light	15 1.0	800	52000	10 3400	■		■	■					ES	ES	■	■	■	■	■	■	■	
(G)K103	GK-Light	20 1.4	800	52000	10 3400	■		■	■					ES	ES	■	■	■	■	■	■	■	
(G)K106	GK-Light	30 1.8	800	52000	10 3400	■		■	■					ES	ES	■	■	■	■	■	■	■	
(G)K109	GK-Light	35 2.0	800	52000	10 3400	■		■	■					ES	ES	■	■	■	■	■	■	■	
(G)K112	GK-Light	40 2.5	800	52000	10 3400	■		■	■					ES	ES	■	■	■	■	■	■	■	
(G)K115	GK-Light	40 3.0	800	52000	10 3400	■		■	■					ES	ES	■	■	■	■	■	■	■	
(G)K121	GK-Light	40 4.0	800	52000	10 3400	■		■	■					ES	ES	■	■	■	■	■	■	■	
AmPull GK1002SE	AmPull	50 3.0	900	52000	66 760	■		■	■	■				E	ES	■			■			■	
AmPull GK1402SE	AmPull	70 3.5	900	52000	66 760	■		■	■	■				E	ES	■			■			■	
AmPull GK1752SE	AmPull	85 1.4	900	52000	66 760	■		■	■	■				E	ES	■			■			■	
AmPull GK1752FE	AmPull	85 1.4	900	52000	66 760	■		■	■	■				E	ES	■			■			■	
AmPull GK2502SE	AmPull	125 3.0	900	52000	66 560	■		■	■	■				ES-A	ES	■			■			■	
AmPull GK4502SE	AmPull	250 3.0	900	52000	66 360	■		■	■	■				ES-A	ES	■			■			■	
AmWrap GK112	AmWrap	40 3.0	2500	52000	100 3400	■		■	■	■				ES	ES	■			■			■	
AmWrap GK1002	AmWrap	50 3.0	2500	52000	100 3400	■		■	■	■				E	ES	■			■			■	
AmWrap GK1402	AmWrap	70 3.5	2500	52000	100 3400	■		■	■	■				E	ES	■			■			■	
AmWrap GK1752	AmWrap	85 1.4	2500	52000	100 3400	■		■	■	■				E	ES	■			■			■	
AmWrap GK2502	AmWrap	125 3.0	2500	52000	100 3400	■		■	■	■				ES-A	ES	■			■			■	
AmPress GK1752	AmPress	85 1.4	2500	52000	100 3400	■		■	■	■				E	ES	■			■			■	
1120	Open Weave	3.5	800	400000	40 3500	■	■	■						E	E ES	■	■	■	■	■	■	■	
0412	Open Weave	2.8	800	400000	40 3500	■	■	■						E	ES ES	■	■	■	■	■	■	■	
1220	Open Weave	3.2	800	400000	40 3500	■	■	■						ES	ES ES	■	■	■	■	■	■	■	
0506	Open Weave	2.4	800	400000	40 3500	■	■	■						CS	CS CS	■	■	■	■	■	■	■	
2M202	Open Weave	1.4	800	52000	10 1900	■	■	■						E	E ES	■			■			■	
(G)K212N	GK-Temperature	2.6	800	52000	40 3400	■		■	■	■				AS	AS	■	■	■	■	■	■	■	
(G)K212NT	GK-Temperature	2.6	800	52000	40 3400	■		■	■	■				AS-A	AS	■	■	■	■	■	■	■	
(G)K212T	GK-Temperature	2.2	800	52000	40 3400	■		■	■	■				A	AS	■	■	■	■	■	■	■	
(G)K212T-C	GK-Temperature	1.8	800	52000	40 3400	■		■	■	■				A	A	■			■			■	
(G)K1.8 LT	GK-Temperature	1.8	800	52000	40 3400	■		■	■	■				A	L	■			■			■	
(G)K5A	GK-Alu	5.0	800	52000	40 3400	■		■	■	■				A	A	■			■			■	
SW6A	GK-Alu	6.0	800	52000	40 500	■		■	■	■				AS-A	AS	■			■			■	

# General information Endless Woven, seamless belting

## NATURAL YARNS

**Cotton (CS):** pappus of cotton plant; moisture absorption 20%; temperature approx. 200°C.

**Linen and flax:** raw material of vegetable fibres; moisture absorption 25%; gives a good stability for uncoated belts; temperature approx. 200°C.

## SYNTHETIC YARNS

**Polyester continuous (E):** moisture absorption 0.4%; resistant to chlorine, acids (diluted), sunlight, rot and mildew; max. applicable temperature approx. 160°C.

**Polyester spun (ES):** same as continuous polyester; is produced continuously, and then chopped and spun.

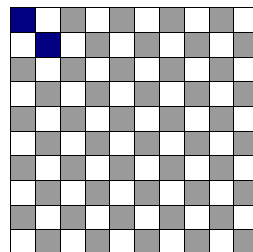
**Polyamide (P),** brand name Nylon®: moisture absorption 4%; resistant to alkalines, acids (diluted), sunlight, rot and mildew; max. applicable temperature approx. 140°C; better resistant to wear than polyester.

**Aramid multifilament continuous (A),** brand name Twaron® or Kevlar®: high strength; max. applicable temperature approx. 350°C.

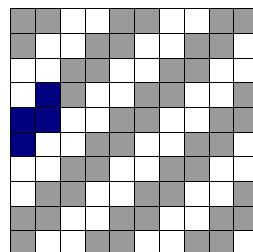
**Aramid spun (AS),** brand name Nomex®: good adhesion of coatings; max. applicable temperature approx. 250°C.

## Weave types

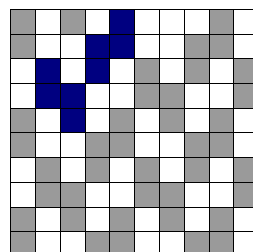
### Plain weave P



### Twill weave K



### Broken twill weave GK



All fabrics can be made in antistatic execution.

## Fabrics: Dimensions availability

Description	Width min mm*	Width max mm*	Length min mm*	Length max mm*
GK100/GK1000/GK212/AmDough	40	580	800	1199
/AmDough-Fabric/P1,0T/2-ply/AmPull	40	1300	1200	1699
/AmWrap/AmPress	40	1600	1700	2199
	40	3400	2200	44999
	40	2600	45000	52000

# Endless Woven belts

## Food Grade Coatings for Endless Woven Belting

Material	Name (Hardness shore A unless stated otherwise)	0 ivory	0 transparent	1 white	2 green	3 red	5 black	7 grey	18 petrol	22 dark green	23 yellow	27 orange	29 light grey	45 light blue	63 beige	Cover possible	Impregnation possible	Max. width mm
PVC	Flexam 35						⊙									✓	✓	1900
	Flexam 45	●		●												✓	✓	1900
	Flexam 55				●		⊙									✓	✓	1900
	Flexam 70						⊙	⊙	●							✓	✓	1900
	Flexam 70 FG				●											✓	✓	1900
	Flexam 80		●					⊙	⊙	●	●					✓	✓	1900
	Flexam 80 FG			●	●										●	✓	✓	1900
	Flexam 85 FR			FDA	FDA					FDA						✓	✓	1900
	Flexam 95				●	●		⊙	⊙	●						✓	✓	1900
	Flexam / Norton 85				●											✓	✓	1900
	Flexam / Polonyl 40			FDA				⊙								✓	✓	1900
	Nonex 20				●											✓	✓	1900
	Nonex 30				●	●			⊙							✓	✓	1900
	Nonex 40				●	●		⊙	⊙						●	✓	✓	1900
	Nonex 55				●	●		⊙	⊙				●		●	✓	✓	1900
	Nonex 65				●				⊙							✓	✓	1900
	Nonex 65 FG			●	●	●									●	✓	✓	1900
	Nonex 65 FG AM														●	✓	✓	1900
	Nonex 70				●											✓	✓	1900
	Nonex 70 FR					⊙										✓	✓	1900
	Nonex 80					●										✓	✓	1900
	Ampac + H7															-	✓	1900
	TPU	Ropanyl 76 FG	●														✓	✓
Ropanyl 85							●									✓	✓	1900
Ropanyl 85 FG			●	●											●	✓	✓	1900
Ropanyl 93							●									✓	✓	1900
Ropanyl 93 FG			●	●						●					●	✓	✓	1900
Ropanyl 93 FG AM															●	✓	✓	1900
Ropanyl D60		●														✓	✓	1600
Ultranyl 85 FG				●				●								✓	✓	1900
PUR	Ropan 70, 80, 90			⊙												✓	-	3400
	Ropanol		●													-	✓	4000
	Polam A-H FG		●	●	●			⊙							●	-	✓	4000
	Polam A-H AM FG														●	-	✓	4000
PE	Poliflex 90		●													✓	-	1900
	Poliflex D33, D42 FG		●													✓	✓	1900
TPE-S	Peflex 30	●														✓	✓	1900
TPE-E	Amtel D40 FG	●												●		✓	✓	1900
TPB	Pletex 35						⊙									✓	-	1900
Si	Silam B 10		⊙	⊙		⊙	⊙							⊙		✓	✓	1900
	Silam B 40							●								✓	✓	1900
	Silam B 40 FG		●	●		●	●							●		✓	✓	1900
	Silam S K55						⊙						⊙			✓	✓	3400
	Silam S 40 FG		●	●		●	●							●		✓	✓	1900
	Silam S 40 FG AM													●		✓	✓	1900
	Silam S 50 FG		●	●		●	●							●		✓	✓	1900
	Silam S 60 FG		●	●		●	●							●		✓	✓	1900

●: EU  
 ●: EU (non-fat environment)

⊙: Not Food grade  
 FDA: Only FDA approval (non-fat environment)

# Endless Woven belts

## Cover types for Endless Woven Belting

Name	Material	Temperature range				Hardness Shore	Thermo-plastic	Oil & fat resistant	Non-stick	Chemical resistance	Application / Properties
		Continuous		Short							
		Min.	Max.	Min.	Max.						
Flexam	PVC	-10	+90	-15	+100	35 - 95A	yes	no	■ ■	■ ■ ■	General, non-food
Nonex	PVC	-5	+80	-10	+110	30 - 80A	yes	yes	■ ■ ■	■ ■ ■	Food, EC/FDA: Shore 65A white, light blue, transparent
Ropanyl	TPU	-20	+90	-30	+110	85 - 93A	yes	yes	■ ■ ■ ■	■ ■ ■	Food, EC/FDA: white, light blue
Ropanyl 76 FG	TPU	-30	+85	-35	+105	76A	yes	yes	■ ■ ■ ■	■ ■ ■	Food, EC/FDA0, separator belting, rubber-like properties, cable pulling (hysteresis resistant)
Ropanyl D60	TPU	0	+120	-10	+140	60D	yes	yes	■ ■ ■ ■	■ ■ ■	Accumulation, steel wrapping, higher temperature
Ultranyl	TPU	-30	+100	-30	+110	85 - 93A	yes	yes	■ ■ ■ ■	■ ■ ■	Food, EC/FDA: white, temperature shocks; hydrolysis resistance
Ropan	PUR	-20	+90	-30	+110	70 - 90A	no	yes	■ ■	■ ■ ■	Metal, stone industry, cut and wear resistant
Ropan 70 closed edges	PUR	-20	+90	-30	+110	70A	no	yes	■ ■	■ ■ ■	Tube winding, high friction, wear resistant
Peflex	TPE-S	-30	+60	-30	+80	30A	yes	yes	■ ■	■ ■ ■ ■ ■ ■	Tobacco, food, FDA, high grip
Poliflex	PE	-60	+60	-70	+70	33D, 42D	yes	yes	■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■	Tobacco, food / non-stick, EC/FDA (previously Peflex PE: note hardness)
Amtel	TPE-E	-20	+100	-30	+110	40D	yes	yes	■ ■ ■	■ ■ ■	Tobacco, food / non-stick, EC/FDA (previously Peflex PE: note hardness)
Pletex	TPB	-5	+80	-15	+100	35A	yes	no	■ ■ ■	■ ■	High friction in dry and light applications, thermo-plastic Linatex alternative
Silam K	Si	-50	+190	-80	+220	55A	no	yes	■ ■ ■ ■ ■	■ ■ ■ ■ ■	Foil seal, leather printing, grinding possible, temperature, non-stick
Silam B	Si	-50	+190	-80	+220	10 - 30A	no	yes	■ ■ ■ ■ ■	■ ■ ■ ■ ■	Food, FDA: white, temperature, non-stick, friction; mechanically stronger than Silam K
Silam S	Si	-50	+190	-80	+220	40 - 60A	no	yes	■ ■ ■ ■ ■	■ ■ ■ ■ ■	Food, FDA, temperature, non-stick, friction, sausage belts, grinding possible

## Impregnation types

Name	Material	Temperature range				Oil & fat resistant	Non-stick	Chemical resistance	Friction	Wear resistant	Application /Properties
		Continuous		Short							
		Min.	Max.	Min.	Max.						
Polam A-H	PUR	-15	+100	-25	+110	yes	■■■	■■■	Very low	■■■■■	General impregnation
Ropanol P	PUR	-15	+100	-25	+110	yes	■■■	■■■	Low	■■■■■	Impregnation AmDough bakery extraction belts
Flexam 95	PVC	-10	+90	-15	+100	no	■■■■■	■■■	Very low	■■■	Chlorine environment
Nonex 65	PVC	0	+100	-5	+115	yes	■■■	■■	High	■■	Impregnation AmDough bakery extraction belts
Ropanyl 93	TPU	-20	+90	-30	+110	yes	■■■■■	■■■	Low	■■■■■	Impregnation AmDough bakery extraction belts
Silam K	Si	-50	+190	-80	+220	yes	■■■■■■■	■■■■■■■	High	■	Temperature, non-stick
Silam B, S	Si	-50	+190	-80	+220	yes	■■■■■■■	■■■■■■■	Very high	■■	Food, temperature, non-stick

## Feasibility table

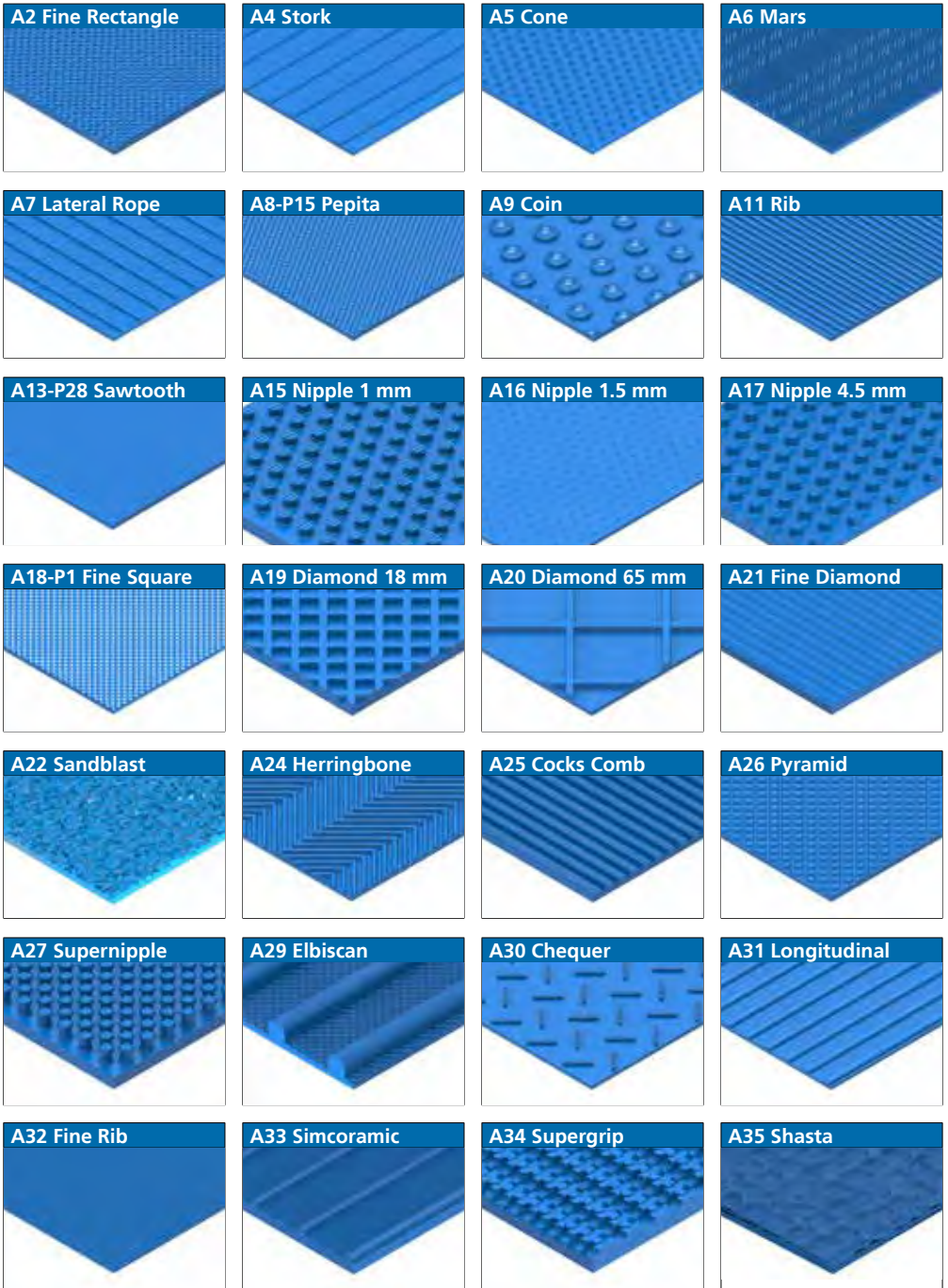
Material	Nonex *	Nonex **	Flexam *	Flexam **	Ropanyl *	Ropanyl **	Ropanyl D60 *	Ropanyl D60 **	Ultranyl *	Ultranyl **	Ropan *	Ropan **	Ropanol *	Ropanol **	Polam A-H *	Polam A-H **	Poliflex *	Poliflex **	Peflex *	Peflex **	Amtel *	Amtel **	Pletex *	Pletex **	Silam B *	Silam B **	Silam K *	Silam K **	Silam S *	Silam S **
Nonex	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Flexam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ropanyl	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ropanyl D60	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ultranyl	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ropan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ropanol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Polam A-H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Poliflex	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Peflex	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Amtel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Pletex	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Silam B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Silam K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Silam S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

\*: Combination top and bottom cover and/or impregnation \*\*: Combination top-top or bottom-bottom cover and/or impregnation

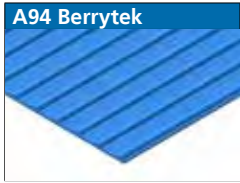
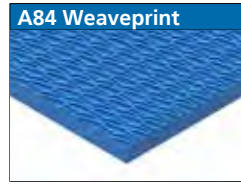
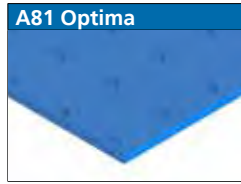
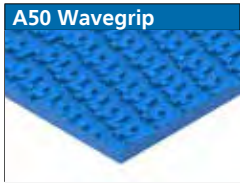
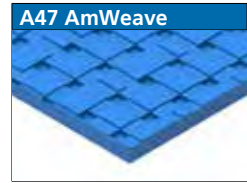
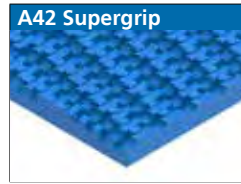
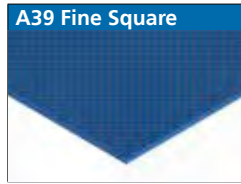
## Applying table

Description	Cover materials	Width min mm	Width max mm	Length min mm	Length max mm
Applying Ropanol Coating	Ropanol	40	1100	1500	70000
		1101	2100	2500	70000
		2101	3400	5000	60000
Applying Thermoplastic Paste Coating	Flexam, Nonex, Pletex	40	400	600	80000
		401	1050	600	80000
		1051	1200	2100	80000
		1201	1500	2100	80000
		1501	1900	2500	80000
Applying Thermoplastic Powder Coating	Amtel, Peflex, Poliflex, Ropanyl, Ultranyl	40	1200	826	80000
		1201	1600	2000	80000
		1601	1900	3500	80000
Applying Thermoset Coating	Ampac, Polam, Ropanol, Silam K	40	1150	400	50000
		1151	2000	1500	50000
		2001	3400	1800	50000
Applying Thermoset Silam B/S Coating	Silam B, Silam S	40	800	600	80000
		801	1900	2000	80000

# Profiles







# Profiles

Profiles														
Profile type	Exclusive	Length max. m'	Narrow profile drum			Wide profile drum			Max. hardness Shore					
			Width max. mm	Length min. m'	Length max. m'	Width max. mm	Length min. m'	Length max. m'	A			D		
									Flexam	Nonex	Ropanyl	Peflex	Poilflex	Arntel
A0 Matt M2		108	1150	0.9	108	1950	5	80	95	70	93	30	33	40
A2 Fine rectangle		108			108	1950	5	80	80	70	93	30	33	40
A4 Stork		108	1000	0.9	108			80	55	40	93	30	33	40
A5 Cone		108	1110	0.9	108	1950	6	80	80	70	93	30	33	40
A6 Mars	❖	108	1150	0.9	108	1950	5	80	80	70	93	30	33	40
A7 Lateral Rope		108	1150	0.9	108			80	55	65	93	30	33	40
A8 / P15 Pepita		108	1150	0.9	108	1950	5	80	95	70	93	30	33	40
A9 Coin		108	1150	1.5	108			80	70	70	93	30	33	40
A11 Rib		108	1150	0.9	108			80	55	65	93	30	33	40
A13 / P28 Sawtooth		50	1150	2.5	50	1800	6	50	55	65	93	30	33	40
A15 Nipple 1 mm		108	1150	0.9	108	1950	5	80	80	70	93	30	33	40
A16 Nipple 1.5 mm		108	1110	1.15	108			80	80	70	93	30	33	40
A17 Nipple 4.5 mm		50	1120	2.5	50			50	70	65	93	30	33	40
A18 / P1 Fine square		108	1150	0.9	108	1950	5	80	95	70	93	30	33	40
A19 Diamond 18 mm		50	1150	2.5	50	1700	6	50	55	40	93	30	33	40
A20 Diamond 65 mm		50	1150	2.5	50	1500	5	50	45	40	93	30	33	40
A21 Fine diamond		108	1150	0.9	108	1950	5	80	95	70	93	30	33	40
A22 Sandblast		108	1150	0.9	108	1950	5	80	95	70	93	30	33	40
A24 Herringbone		108	950	0.9	108			80	55	65	93	30	33	40
A25 Cocks Comb		50	1150	2.5	50			50	45	40	93	30	33	40
A26 Pyramid		108	1100	0.9	108			80	55	65	93	30	33	40
A27 Supernipple		108	1060	2.5	108			80	55	65	93	30	33	40
A29 Elbiscan		50	1150	1.15	50			50	45	65	93	30	33	40
A30 Chequer		108	1070	1.15	108			80	80	65	93	30	33	40

Profile type: \* Structure † Longitudinal ↔ Lateral □ Square ○ Round

Profile type	Min. cover thickness mm		Increase belt thickness mm	Profile type	Indication of use
	Width < 800 mm	Width > 800 mm			
A0 Matt M2	0.3	0.3	-	✳	To reduce adhesion   Prevents light reflection
A2 Fine rectangle	0.3	0.3	0.1	□	To give the product a profile   Chocolate cooling tunnel
A4 Stork	2.5	2.5	2.0	↕	Infeed belt for packaging machines
A5 Cone	1	1.5	2.0	○	For magnetic elevators – Scanning applications
A6 Mars	0.3	0.3	0.1	✳	Gives impression on chocolate product   Releasing over knife edge   Minigrip profile
A7 Lateral Rope	2	2.5	1.6	↔	Product separation   Small incline bulk products
A8 / P15 Pepita	0.3	0.3	0.1	□	For inclined transport   Light duty accumulation
A9 Coin	2	2.5	2.5	○	Inclined transport of bags, crates, wooden boxes   Inclined transport of half pigs Meat derining machines
A11 Rib	2	2.5	1.5	↔	Inclined conveyors, boxes/crates/bags, dry conditions   Lagging material for drums On tracking strips
A13 / P28 Sawtooth	2	2.5	0.95	↔	Fish industry   Transport of tobacco and tea leaves on inclined conveyors   Other fine grained materials   If embossed in the bottom cover for slip free drive under very wet conditions
A15 Nipple 1 mm	0.5	0.7	0.7	○	Lagging material on drums   In laundries   In magnetic elevators   In the packaging industry   For elevating light products up a limited angle of inclination
A16 Nipple 1.5 mm	0.7	0.7	0.9	○	In magnetic elevators
A17 Nipple 4.5 mm	2	2.5	3.2	○	Transport of heavy products under wet conditions   In laundries   As a support belt in metal polishing installations   Inclined transport of bags
A18 / P1 Fine square	0.5	0.5	0.4	□	Accumulation   In bakeries for dough transport   Rubber industry for the transport of unvulcanised rubber   Soft separator
A19 Diamond 18 mm	4	5	2.0	□	On grinding belts   Inclined transport, e.g. bulk
A20 Diamond 65 mm	3.5	4	3.4	□	Inclined transport of baggage   Transport of leaf products   Inclined transport for bulk handling of tea, sugar, cocoa, and also potatoes
A21 Fine diamond	0.3	0.3	0.1	□	Good release properties
A22 Sandblast	0.5	0.5	0.2	✳	Lagging material on drums   Where a belt requires a 'rough' surface
A24 Herringbone	2	2.5	1.4	↔	Inclined conveying of light bulk materials, fine grained products and fish   Separator application
A25 Cocks comb	4	5.5	3.0	↔	Despite the shape easy to clean   Lagging material on drums   In box closing machines   Conveying of crates in wet conditions
A26 Pyramid	2	2.5	1.3	↔	Transport of small articles   Non-slip floor covering under dry conditions   Decorative, e.g. lagging counters
A27 Supernipple	2	2.5	1.7	○	Universal profile for inclined applications under dirty circumstances
A29 Elbiscan	2	2.5	2.5	↕	Sorting machines for vegetables (blueberries)
A30 Chequer	1	1	1.5	✳	Check-in belt on airports (small angle of inclination)   Easy clean profile

# Profiles

## Profiles

Profile type	Exclusive	Length max. m <sup>1</sup>	Narrow profile drum			Wide profile drum			Max. hardness Shore					
			Width max. mm	Length min. m <sup>1</sup>	Length max. m <sup>1</sup>	Width max. mm	Length min. m <sup>1</sup>	Length max. m <sup>1</sup>	A			D		
									Flexam	Nonex	Ropanyl	Peflex	Poliflex	Amtel
A31 Longitudinal		50	1100	0.9	50			50	55	65	93	30	33	40
A32 Fine rib		108	1150	0.9	108	1950	5	80	80	70	93	30	33	40
A33 Simcoramic		50			50	1900	5	50	55	40	93	30	33	40
A34 Supergrip		50	1050	1.15	50	1950	6	50	55	65	93	30	33	40
A35 Shasta	❖	108			108	1950	5	80	55	65	93	30	33	40
A36 Nubby		108			108	1950	5	80	55	65	93	30	33	40
A39 Fine square		108	1150	0.9	108	1950	5	80	95	70	93	30	33	40
A42 Supergrip		50	1150	1.15	50	1950	6	50	55	65	93	30	33	40
A43 Alkemade		108	600	0.9	108			80	70	70	93	30	33	40
A44 Interrib		108			108	1850	6	80	80		93	30	33	40
A45 Bermuda		108	1150	0.9	108			80	70	70	93	30	33	40
A46 Button		108	1150	0.9	108			80	70	65	93	30	33	40
A47 AmWeave		108			108	1950	5	80	80	70	93	30	33	40
A50 Wavegrip		108	1080	0.9	108	1950	5	80	55	65	93	30	33	40
A52 Modulus		108	500	2.5	108			80	45	40	93	30	33	40
A54 / P33 Marathon		108			108	1950	5	80	95	70	93	30	33	40
A57 Hellema	❖	50	400	0.9	50			50	55	65	93	30	33	40
A58 / P39 Charlie		108			108	1950	5	80	80	70	93	30	33	40
A61 Bounty	❖	108			108	1950	5	80	80	70	93	30	33	40
A69 Trapezium rib		50	1100	0.9	50			50	55	65	93	30	33	40
A72 Sphere		108	1150	2.5	108			80	70	65	93	30	33	40
A79 Diamond		108			108	1950	6	80	55	40	93	30	33	40
A81 Optima		108	1150	0.9	108			80	80	70	93	30	33	40
A84 Weaveprint		108	1150	0.9	108			80	80	70	93	30	33	40
A93 Rhombus		108	1150	0.9	108				95	70	93	30	33	40
A94 Berrytek	❖	50	1100	0.9	50			50	55	65	93	30	33	40
A110 Matt M1		108	1150	0.9	108	1950	5	80	95	70	93	30	33	40
T10 Ultrasync		108	1150	0.9	108			80	55	65	93	30	33	40

Profile type: \* Structure † Longitudinal ↔ Lateral □ Square ○ Round

Profile type	Min. cover thickness mm		Increase belt thickness mm	Profile type	Indication of use
	Width < 800 mm	Width > 800 mm			
A31 Longitudinal	2	2	2.5	↑	Sorting of vegetables
A32 Fine rib	0.7	0.7	0.3	↑	Inclined transport especially in dusty circumstances.   Belts for counting of products in packaging machines, e.g. candy bars
A33 Simcoramic	2.5	2.5	1.7	↑	Sorting machines for vegetables
A34 Supergrip	2	2	1.2	✳	Universal profile for inclined applications, for elevating crates, boxes and bags under dry conditions   In the packaging industry (box closing machines)
A35 Shasta	0.7	0.7	1.0	✳	Leather impression
A36 Nubby		0.7	0.7	✳	Sealing tile profile   Non-slip tape lagging
A39 Fine square	0.3	0.3	0.1	□	Accumulation   In bakeries for dough transport   Rubber industry for the transport of unvulcanised rubber   Separator
A42 Supergrip	2	2.5	1.2	✳	Universal profile for inclined applications, for elevating crates, boxes and bags under dry conditions   In the packaging industry (box closing machines)
A43 Alkemade	2	2	0.45	↔	Sorting machines for vegetables   Infeed meat
A44 Interrib	1.4	1.4	1.1	↑	Inclined transport of tobacco leaves   Easy cleaning profile
A45 Bermuda	1.2	1.5	0.5	↔	Sorting machines for vegetables   Infeed meat
A46 Button	1.2	1.5	1.8	○	Inclined transport   Laundries   Easy cleaning profile
A47 AmWeave	0.7	0.7	0.3	✳	Inclined applications in dry conditions   Meat industry
A50 Wavegrip	0.7	0.7	0.7	✳	Low Supergrip profile   Low noise
A52 Modulus	6	NA	3	↔	Guiding ropes   Horizontal vacuum filters
A54 / P33 Marathon	0.7	0.7	0.5	✳	Non-slip profile   Treadmill
A57 Hellema	2.5	NA	0.5	✳	Chocolate moulding belt
A58 / P39 Charlie	0.3	0.3	0.1	□	Chocolate embossing   Fish derining machines
A61 Bounty	0.3	0.3	0.1	✳	Chocolate embossing
A69 Trapezium rib	2	2	2.5	↑	Sorting machines for vegetables   Infeed packaging machines   Reversed positive guiding
A72 Sphere	2	2	2.4	○	Ski treadmills   Easy cleaning profile
A79 Diamond	4	5	2	□	Grinding belts   Inclined transport of bulk products
A81 Optima	1	1.5	1.5	○	For magnetic elevators – Scanning applications
A84 Weaveprint	0.5	0.7	0.5	✳	In the packaging industry   In the food industry   Non-slip profile in the textile industry
A93 Rhombus	0.4	0.5	0.35	□	Accumulation   In bakeries for dough transport   Rubber industry for the transport of unvulcanised rubber   Soft separator
A94 Berrytek	2	2	2.5	↑	Sorting of vegetables (blueberries)
A110 Matt M1	0.3	0.3	-	✳	To reduce adhesion/accumulation/Prevents light reflection
T10 Ultrasync	2	2.5	1.5	↔	Base profile Ultrasync   Incline bulk products

# Standard Applications

Standard Product Range					
Belt Type	Material	Weave	Belt thickness [ mm ]	Diameter of knife edge < 135°	Article code
AmDough 100	cotton	broken twill	2.8 mm	5 mm	GK 1283B
AmDough 90	cotton	broken twill	2.4 mm	4 mm	GK 0983B
AmDough 80	cotton/ polyamide	broken twill	2.4 mm	4 mm	GK 8484BP
AmDough 70	cotton	plain	2.0 mm	3 mm	P 1284B
AmDough 60	cotton/ polyamide	broken twill	2.4 mm	4 mm	GK 0983BP universal type
AmDough 50	cotton/ polyamide	plain	1.8 mm	3 mm	P 8484BP universal type
AmDough 40	cotton/ polyamide	plain	2.0 mm	3 mm	P 1284BP
AmDough 20	cotton/ polyester	plain	2.0 mm	3 mm	P 4060BE

There is a linear relationship between the AmDough absorption numbers: Heavy dough: wet, high degree of moisture, AmDough Belt with higher absorption factor | Light dough: dry, low degree of moisture, AmDough Belt with lower absorption factor

Top side: always uncoated | Bottomside: PUR transparent food grade impregnation for stability, better wear resistance and longer belt life | Belt edges: reinforced polyamide selvedges | Dimension: length up to 100 m, width up to 3400 mm | Broken twill types (GK) are also available as Twill (K) versions

Example of Seamless Endless Woven Separator Belts			
Belt Type	AmSqueeze 300	AmSqueeze 500	AmSqueeze 700
Example Article description	AS 314 A93-A93	AS 514 A93-A93	AS 714 A93-A93
Top cover material	TPU 3 mm Ropanyl 76 (Shore A) FG	TPU 3 mm Ropanyl 85 (Shore A) FG	TPU 3 mm Ropanyl 93 (Shore A) FG
Top cover color	Ivory	White	Transparent
Standard finish covers	A93 Rhombus profile	A93 Rhombus profile	A93 Rhombus profile
Standard belt thickness	13.4 mm	13.4 mm	13.4 mm
Other available belt thickness	15,16,17,18,19,20 mm	15,16,17,18 mm	15,16,17,18 mm
Grip	+++++	++++	+++
Wear resistance	+++	++++	+++++
Yield	+++++	++++	+++
Food Grade	EC/FDA	EC/FDA	EC/FDA
Indication application	Soft	Medium	Hard
Replaces	Rubber	PU	PU hard

Consult our application engineers and product information for other options | A questionnaire for belt selection is available | Tolerance on length ±1% Width -0/+2 mm | Closed edges skived

General Technical Data – Seamless Endless Woven Tube Winding Belts		
Belt type	AmTube 500	AmTube 700
Article code	GK 1002	GK 1752
Weave	broken twill weave	broken twill weave
Fabric	polyester	polyester
Force at % elongation	50 N/mm (1%)	90 N/mm (1%)
Cover	PUR: white Ropan 70 Shore A	PUR: white Ropan 70 Shore A
Coefficient of friction	0.8	0.8
Total belt thickness	4 - 7 mm	8 - 14 mm
Tube diameter	40.0 mm and more	60 mm and more
Wall thickness	2 - 8 mm	4 mm and more
Necessary belt width	10 mm smaller than feed paper	10 mm smaller than feed paper
Min. tube diameter	10 x belt thickness	10 x belt thickness
Temperature resistance	max. 90 °C	max. 90 °C
Belt length	2500 - 70000 mm	2500 - 7000 mm
Belt width	40 - 800 mm	40 - 800 mm
Edge finish	fully closed over min. 5.0 mm	fully closed over min. 5.0 mm

### General Technical Data – Seamless Endless Woven Cable Pulling Belt

AmPull Fabric Range	Weave	Fabric	Max belt tension N/mm at 2% Elongation	Maximum Cable pulling force in N per 100 mm Belt width	Edge finish
GK1002SE	Broken Twill Weave	100% Polyester	100	10500	
GK1402SE	Broken Twill Weave	100% Polyester	140	14500	Red spun
GK1752SE	Broken Twill Weave	100% Polyester	175	18500	Red spun
GK1752FE	Broken Twill Weave	100% Polyester	175	18500	Spun Yarn
GK2502SE	Broken Twill Weave	50% Polyester/50% Aramide	250	26500	Red spun
GK4502SE	Broken Twill Weave	30% Polyester/70% Aramide	450	47500	Red spun
<b>Top Cover Material</b>		<b>Hardness</b>			<b>Finish</b>
Nonex PVC		20°, 30°, 40°, 55°, 65°, 70°, 80° Shore A			Smooth
Ropan PUR		70°, 80°, 90° Shore A			Ground
Ropanyl TPU		76°, 85°, 93° Shore A			Smooth
Silam Si		10°, 40°, 50°, 55°, 60° Shore A			Smooth or Ground
<b>Bottom Cover Material</b>		<b>Application</b>			<b>Hardness</b>
Nonex PVC		80° Shore A			Smooth
Ropan PUR		70°, 80°, 90° Shore A			Ground
Ropanyl TPU		76°, 85°, 93° Shore A - 60° Shore D			Smooth

### General Technical Data – Seamless Endless Woven Metal Wrapping Belts

Fabric Range	Application	Weave	Fabric	Max belt tension N/mm at 2% Elongation	Thickness mm
AmWrap GK112	Cold(AmWrap C)	Broken Twill Weave	100% Polyester	40	2.5
AmWrap GK1002	Cold(AmWrap C)	Broken Twill Weave	100% Polyester	100	2.3
AmWrap GK1402	Cold(AmWrap C)	Broken Twill Weave	100% Polyester	140	3.0
AmWrap GK1752	Cold(AmWrap C)/ Temperature(AmWrapT) **	Broken Twill Weave	100% Polyester	175	3.5
AmWrap GK2502	Cold(AmWrap C)/ Temperature(AmWrapT) ***	Broken Twill Weave	50% Polyester / 50% Aramide	250	3.0
AmWrap H300	Hot(AmWrap H)	Broken Twill Weave	100% Aramide	140N(1% elongation)	7.0
AmWrap H700	Hot(AmWrap H)	Broken Twill Weave	100% Aramide	140N(1% elongation)	8.5
<b>Top Cover Material</b>	<b>Application</b>	<b>Hardness or Density</b>	<b>Finish</b>	<b>Minimum Thickness mm</b>	<b>Maximum Thickness mm</b>
Ropan PUR	Cold	70°, 80°, 90° Shore A	Ground	1.0	6.0
Ropanyl TPU	Temperature	60° Shore D	Smooth	1.0	3.0
Aramid Needlefelt	Hot	1000 g/m <sup>2</sup> for AmWrap H300	Felt	2.0	2.0
Aramid Needlefelt	Hot	1300 g/m <sup>2</sup> for AmWrap H700	Felt	3.5	3.5
<b>Bottom Cover Material</b>	<b>Application</b>	<b>Hardness</b>	<b>Finish</b>	<b>Minimum Thickness mm</b>	<b>Maximum Thickness mm</b>
Nonex PVC	Cold	55°, 65° Shore A	Smooth or profiled A21	0.5	1.0
Ropan PUR	Cold	70°, 80°, 90° Shore A	Ground	1.0	3.0
Ropanyl TPU	Temperature	93° Shore A	Smooth	0.5	1.0

### General Technical Data – Seamless Endless Woven AmPress Belt

Fabric Range	Weave	Fabric	Max belt tension N/mm at 2% Elongation	Thickness mm	Edge finish
AmPress GK1752	Broken Twill Weave	100% Polyester-Bekinox cc 20 mm	175	3,5	Spun Yarn or Ropan closed edges*
<b>Top Cover</b>	<b>Hardness or Density</b>	<b>Finish</b>	<b>Minimum Thickness mm</b>	<b>Maximum Thickness mm</b>	<b>Maximum Temperature °C</b>
Ropan PUR	80° Shore A	Ground	2.0	2.	80
<b>Bottom cover</b>	<b>Hardness</b>	<b>Finish</b>	<b>Minimum thickness mm</b>	<b>Maximum Thickness mm</b>	<b>Maximum Width</b>
Ropan PUR	80° Shore A	Ground	2.0	2.0	3400
Ropanol PUR		Impregnation	0.1	0.1	3400

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