Ammeraal Beltech

EN

Endless Woven Belts

Coatings, Impregnations, Profiles & Standard Applications

Innovation and
Service in Belting

Endless Woven Belts

Tolerances

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

Quick-Reference – Endless Woven, seamless belting

Quick-Reference list

Article Code (Line1)	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	Knitted	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
AF110	Amflat	13	0,5	600	4300	66	600								■	ES		ES	■			■		
AF120	Amflat	22	0,9	600	4300	66	600								■	ES		ES	■			■		
AF155	Amflat	110	0,85	600	4300	66	600								■	A		A-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	■			■		
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.

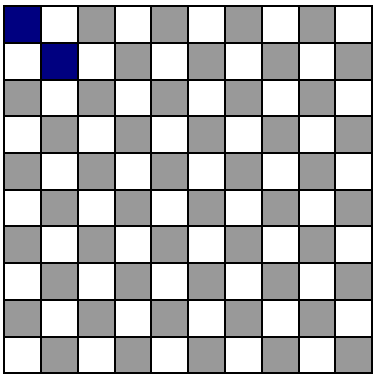
Polyamide (P), brand name Nylon®: moisture absorption 4%; resistant to alkalines, acids (diluted), sunlight, rot and mildew; max. applicable temperature approx. 140°C; better resistant to wear than polyester.

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

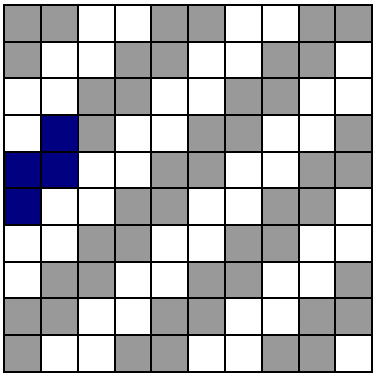
Aramide spun (AS), brand name Nomex®: good adhesion of coatings; max. applicable temperature approx. 250°C.

Weave types

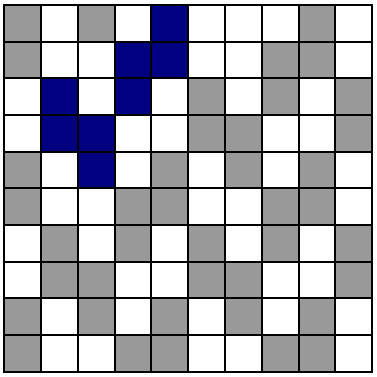
Plain weave P



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 /AmDough-Fabric/P1,0T/2-ply/AmPull /AmWrap/AmPress	40	580	800	1199
	40	1300	1200	1699
	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 55 FG			●	●									●		✓	✓	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	●														✓	✓	1900
	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

●: 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	✓		✓		✓		✓		✓				✓		✓						✓		✓		✓	✓	✓		✓	✓

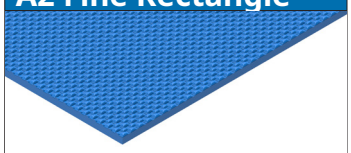
*: Combination top and bottom cover and/or impregnation **: Combination top-top or bottom-bottom cover and/or impregnation

Applying table

Description	Cover materials	Width min mm	Width max mm	Length min mm	Length max mm
Applying Ropan Coating	Ropan	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

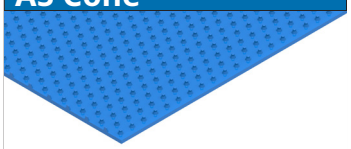
Profiles

A2 Fine Rectangle

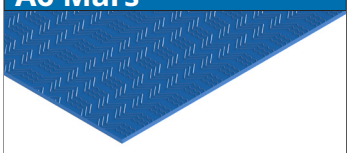


A4 Stork

A5 Cone

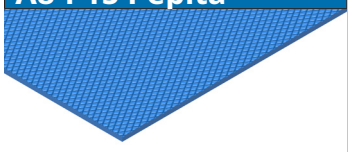


A6 Mars

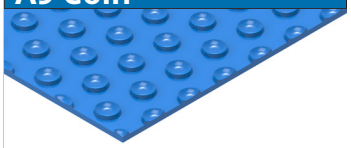


A7 Lateral Rope

A8-P15 Pepita



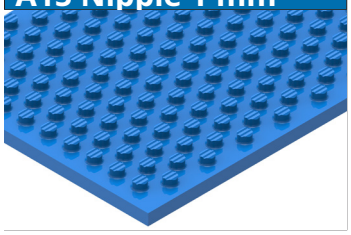
A9 Coin



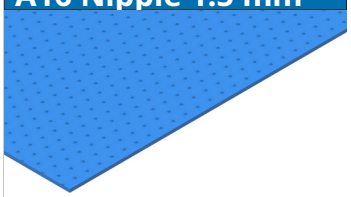
A11 Rib

A13-P28 Sawtooth

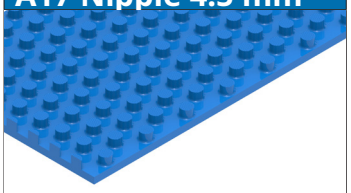
A15 Nipple 1 mm



A16 Nipple 1.5 mm

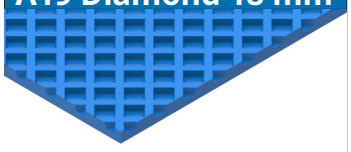


A17 Nipple 4.5 mm



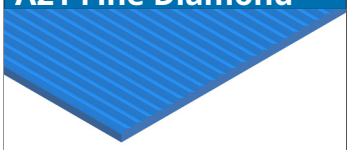
A18-P1 Fine Square

A19 Diamond 18 mm



A20 Diamond 65 mm

A21 Fine Diamond

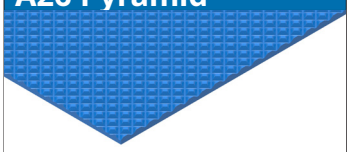


A22 Sandblast

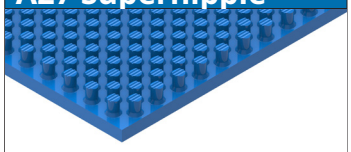
A24 Herringbone

A25 Cocks Comb

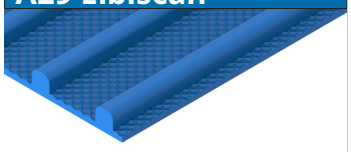
A26 Pyramid



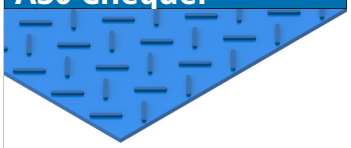
A27 Supernipple



A29 Elbiscan



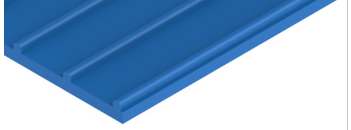
A30 Chequer



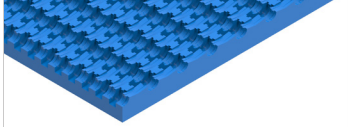
A31 Longitudinal

A32 Fine Rib

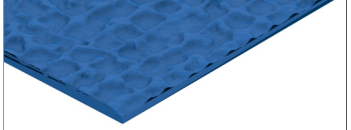
A33 Simcoramic



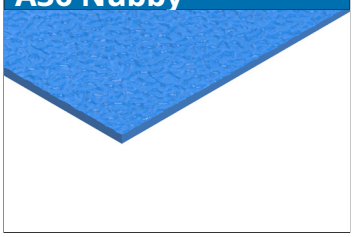
A34 Supergrip



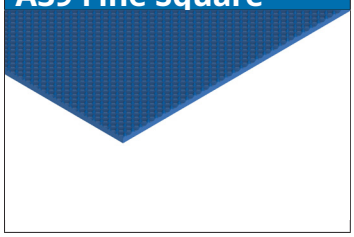
A35 Shasta



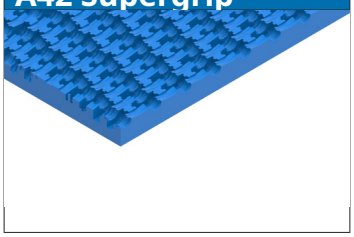
A36 Nubby



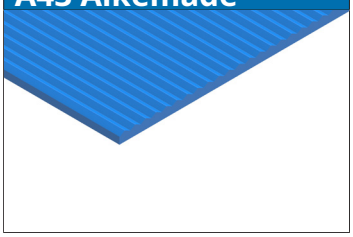
A39 Fine Square



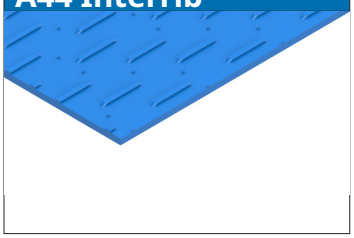
A42 Supergrip



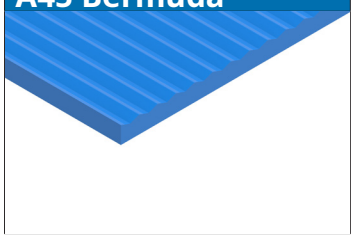
A43 Alkemade



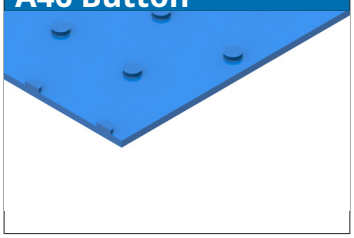
A44 Interrib



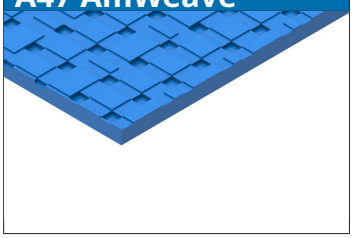
A45 Bermuda



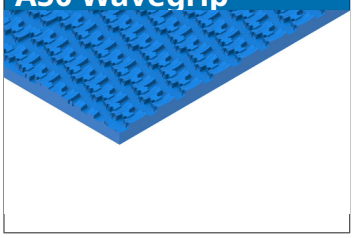
A46 Button



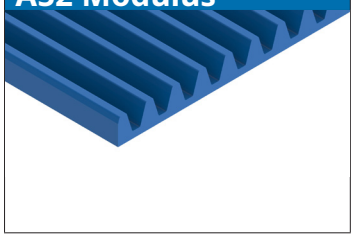
A47 AmWeave



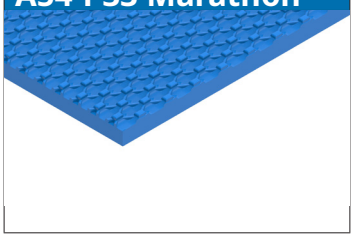
A50 Wavegrip



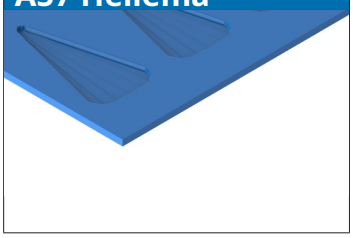
A52 Modulus



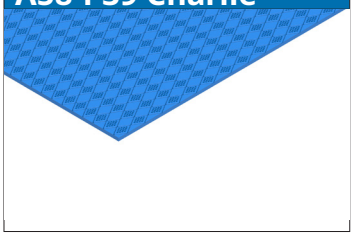
A54-P33 Marathon



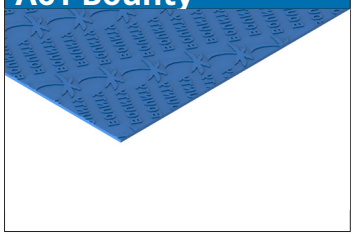
A57 Hellema



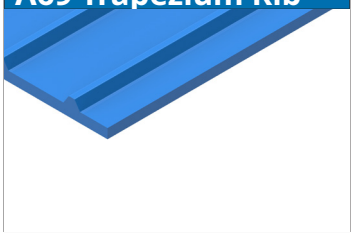
A58-P39 Charlie



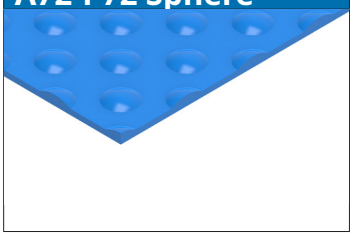
A61 Bounty



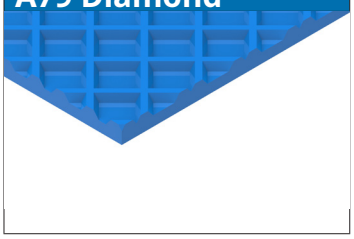
A69 Trapezium Rib



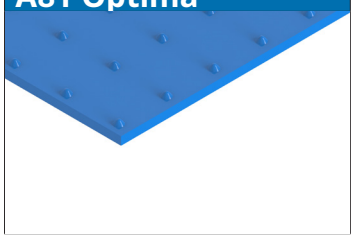
A72-P72 Sphere



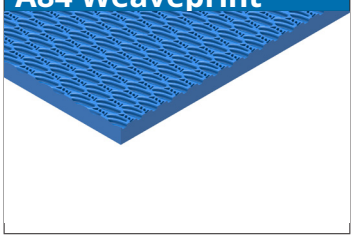
A79 Diamond



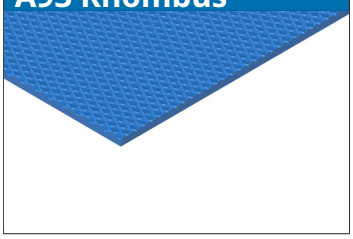
A81 Optima



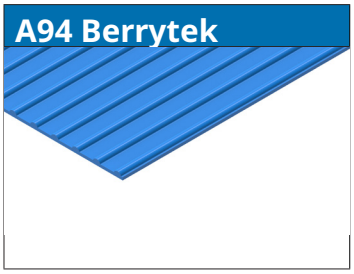
A84 Weaveprint



A93 Rhombus



A94 Berrytek



Profiles

Profile type		Exclusive	Length max m[1]	Narrow profile drum			Wide profile drum			Max. hardness Shore					
										A				D	
				Width max. mm	Length min. m[1]	Length max. m[1]	Width max. mm	Length min. m[1]	Length max. m[1]	Flexam	Nonex	Ropanyl	Peflex	Poliflex	Amtel
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 m	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 packagingmachines
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 convey-ors | 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

Profile type		Exclusive	Length max m[1]	Narrow profile drum			Wide profile drum			Max. hardness Shore					
										A				D	
				Width max. mm	Length min. m[1]	Length max. m[1]	Width max. mm	Length min. m[1]	Length max. m[1]	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 leafs | 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 (ShA) FG	TPU 3 mm Ropanyl 85 (ShA) FG	TPU 3 mm Ropanyl 93 (ShA) 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% Elonga-tion	Max Cable pulling force in N per 100mm 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

Top Cover Material	Hardness	Finish
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

Bottom Cover Material	Hardness	Finish
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 (AmWrapC)/ Temperature (AmWrapT) **	Broken Twill Weave	100% Polyester	175	3.5
AmWrap GK2502	Cold (AmWrapC)/ Temperature (AmWrapT) ***	Broken Twill Weave	50% Polyester / 50% Aramide	250	3.0
AmWrap H300	Hot (AmWrap H)	Broken Twill Weave	100% Aramide	140 N (1% elongation)	7.0
AmWrap H700	Hot (AmWrap H)	Broken Twill Weave	100% Aramide	140 N (1% elongation)	8.5

Top Cover Material	Application	Hardness or Density	Finish	Min Thickness mm	Max Thickness mm
Ropan PUR	Cold	70°, 80°, 90° Shore A	Ground	1.0	6.0
Ropanyl TPU	Temperature	60° Shore D	Smooth	1.0	3.0
Aramide Needlefelt	Hot	1000 g/m^2 for AmWrap H300	Felt	2.0	2.0
Aramide Needlefelt	Hot	1300 g/m^2 for AmWrap H700	Felt	3.5	3.5

Bottom Cover Material	Application	Hardness	Finish	Min Thickness mm	Max Thickness mm
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*
Top Cover	**Hardness or Density**	**Finish**	**Min Thickness mm**	**Max Thickness mm**	**Max Temperature °C**
Ropan PUR	80° Shore A	Ground	2.0	2.	80
Bottom cover	**Hardness**	**Finish**	**Min thickness mm**	**Max Thickness mm**	**Max Width**
Ropan PUR	80° Shore A	Ground	2.0	2.0	3400
Ropanol PUR		Impregnation	0.1	0.1	3400

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01.2025