

Product Range



siegling prolink modular belts

Prolink Beltfinder
THE NEW APP



The easy way
to find the
right plastic
modular belt
for your
conveyor.

m.prolink-finder.com



Beans drain through open modules while being conveyed to the next processing step.



Robust Siegling Prolink types keep tyre assembly production going.



It's child's play getting to the top with Siegling Prolink friction top.



Particularly important in hygiene-sensitive areas, like meat processing: Siegling Prolink modular belts are easy to clean.

Siegling Prolink modular belts

Conventional conveyor belts are only suitable for certain conveying and processing jobs because of their design. Which is why Siegling Prolink plastic modular belts are a perfect addition to the Siegling conveyor belt range. Our vast experience in light materials handling is not just a guarantee of excellent product quality, but also of professional support, rapid availability and qualified service.

Adaptable due to modular design

Siegling Prolink can offer various different module designs, materials and accessories, all combinable with one another. So Siegling Prolink modular belts can be customised to suit the conveying or production job in question. We'll find the right solution, even for highly specialised applications.

Siegling Prolink is used effectively in conveying:

- meat, fish and poultry products
- vegetables
- baked goods of all types
- packages and furniture
- vehicles and skids
- people

Here Siegling Prolink often takes on processing jobs that go above and beyond actual conveying.

Economical to run

Modular belts are robust and durable. They handle conveying and processing tasks, not possible with conventional belting material.

They can be made endless on the conveyor; if damage occurs individual modules can be quickly exchanged. This minimises down times. Different lengths and widths are possible. Functional modules can be inserted at any time, so even belt properties can be changed whenever required.

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Appendix

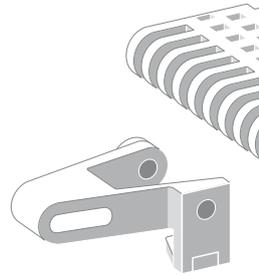
Type designation/key
Temperature ranges/
HACCP types/materials



The Siegling Prolink system: Every belt's a specialist



Siegling Prolink curved belts are ideal for space-saving drying or freezing.



Modular variety in ten series

By working together closely with users and OEMs, our R & D department ensures that all types from the Siegling Prolink system are high performers across the board.

Choose from ten belt series available in more than 40 belt types, designed for a range of conveying and processing jobs and for handling lightweight to heavy-duty loads.

The individual modules are flexibly connected with one another and made endless by inserting hinge pins.

This means:

- variable widths and lengths
- they are easy to repair
- low stock levels are required

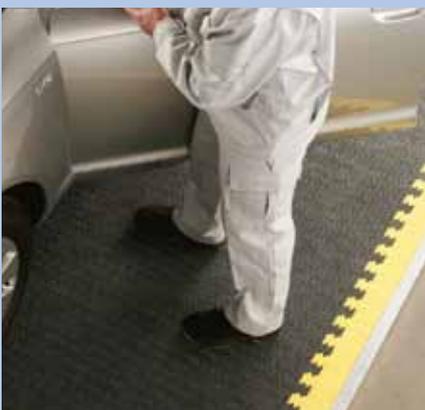
Existing conveyors can easily be converted to Siegling Prolink. Apart from the standard colours, any colours can be supplied on request.

We can send data sheets and further technical information about the individual series on request.

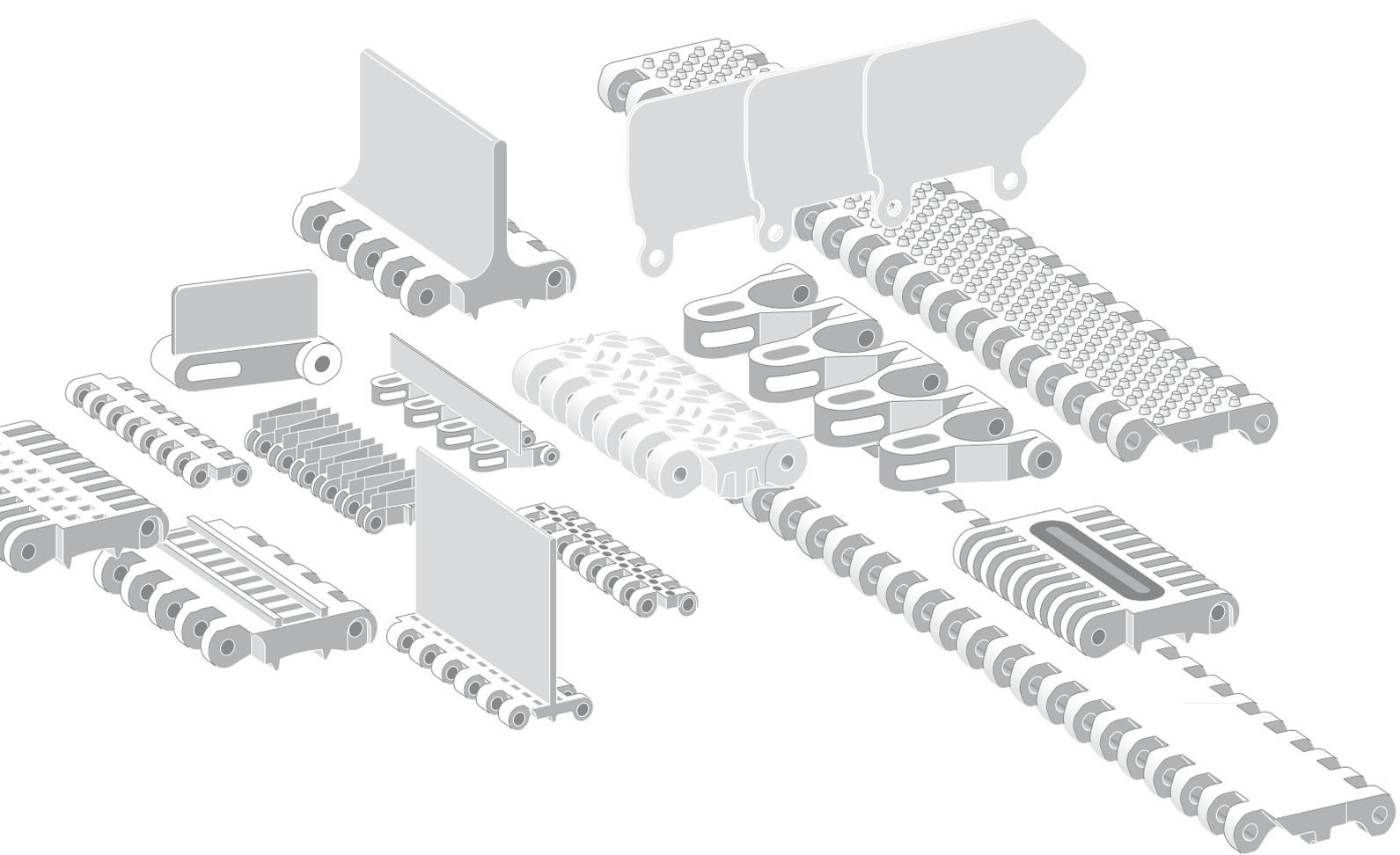
The module types presented are not available in some module/material/colour combinations in the standard version. Just ask us if you require more information.



Siegling Prolink is a tried and tested belt, processing fish and seafood – both on- and offshore.



As worker belts in the automotive industry, Siegling Prolink modules are safe to stand on.



Functional details

To turn the belt into a true specialist, profiles, side guards and further accessories, such as modules with different patterns, belong to almost all the series.

Special modules and individual accessories for special applications are also available or can be developed according to your specifications.

Just contact us.

Numerous materials

Apart from the module's design, selecting the material is another way of customising the belt to suit the conveying and processing task.

All materials have been tried and tested in the most varied of industrial environments and their own exceptional properties mean they can handle a wide range of applications.

The Siegling ProLink series are available in several materials as a standard (see each series for more information.) They can also be made from all the materials shown on the fold-out page.

Special HACCP types

New legal requirements are forcing food manufacturers to adopt increasingly stringent hygiene procedures.

Conventional conveyor and processing belts often cannot comply with these requirements. But Siegling ProLink modular belts are designed to effectively support your HACCP concept (see fold-out page).

Overview Siegling Prolink Linear modules

Series 1

Pitch 50 mm (2 in)*

Medium to heavy-duty belt for industrial conveying applications.

Belt types

S1-0 FLT Closed, smooth surface
S1-18 FLT Open, smooth surface
S1-0 NSK Closed, anti-skid pattern
S1-0 FRT Closed, friction top

Series 2

Pitch 25 mm (1 in)*

Light-duty belt for food and container handling and for light industrial applications.

S2-0 FLT Closed, smooth surface
S2-12 FLT Open, smooth surface
S2-57 GRT Large open area, lattice-shaped surface
S2-57 RRB Large open area, raised ribs for transfer processes
S2-0 FRT Closed, friction top

Series 3

Pitch 50 mm (2 in)*

Medium-duty belt for food and non-food applications. Easy-to-clean, open-hinge design.

S3-0 FLT Closed, smooth surface
S3-16 FLT Open, smooth surface
S3-0 LRB Closed, with lateral ribbing
S3-16 LRB Open, with lateral ribbing

Series 4.1

Pitch 14 mm (0.55 in)*

Light to medium-duty belt for food and non-food applications. Small pitch allows tight product transfers, including nose bars.

S4.1-0 FLT Closed, smooth surface
S4.1-0 NPY Closed surface, with inverted pyramid pattern
S4.1-0 FRT1 Closed, friction top
S4.1-21 FLT Open, smooth surface
S4.1-21 NTP Open, with round studs



Series 6.1

Pitch 50 mm (2 in)*

Medium-duty belt designed specifically for demanding applications in meat, poultry and seafood processing, including cutting, deboning and skinning lines. Easy-to-clean, open hinge design.

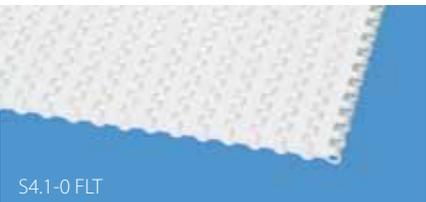
S6.1-0 FLT Closed, smooth surface
S6.1-0 NTP Closed, with round studs
S6.1-0 CTP Closed, with pointed studs
S6.1-23 FLT Open, smooth surface

Series 7

Pitch 40 mm (1.6 in)*

Heavy-duty belt with superior pull strength and excellent durability for industrial applications. Designed for heavy loads, such as worker belts for the automotive industry, vehicle conveying, etc.

S7-0 FLT Closed, smooth surface
S7-6 FLT Open, smooth surface
S7-0 NSK Closed, anti-skid pattern
S7-6 NSK Open, anti-skid pattern
S7-0 FRT Closed, friction top

	Materials**	Colours (standard)**	Allowable belt pull [N/mm (lb/ft)]***	Pitch [mm (in)]*	Belt width min. [mm (in)]*	Width increments [mm (in)]*
 S1-0 FLT	PE, PP, POM, POM-HC	AT, WT	18 to 40 (1233 to 2740)	50 (2)	50 (2) For belts with FRT pattern 250 (9.8)	10 (0.4)
 S2-0 FLT	PE, PP, POM, PA 6.6-HT	BL, WT	3 to 7 (206 to 480)	25 (1)	50 (2) For belts with FRT pattern 100 (3.9)	16.66 (0.7)
 S3-0 FLT	PE, PP, POM	WT	6 to 16 (411 to 1096)	50 (2)	40 (1.6)	20 (0.8)
 S4.1-0 FLT	PE, PE (R8), PP, PP (R7), POM, POM (R6)	BL, BL (BK), WT, WT (BK)	3 to 10 (206 to 685)	14 (0.55)	25 (1)	12.5 (0.5)
 S6.1-0 FLT	PE, PP, POM, POM-CR	LB, WT	13 to 30 (891 to 2055)	50 (2)	40 (1.6)	20 (0.8)
 S7-0 FLT	PE, PP, POM, POM-HC, PXX-HC	AT	Plastic pins 18 to 50 (1233 to 3425) Stainless steel pins 40 to 60 (2740 to 4110)	40 (1.6)	40 (1.6) For belts with FRT pattern 360 (14.2)	20 (0.8)

More types on the following double page.

* All imperial measurements have been rounded up.

** Not all materials are available in all colours.

*** Depending on type and material.

The abbreviations and type designations are explained on the fold-out page at the back.

Overview Siegling Prolink Linear modules

Series 8

Pitch 25.4 mm (1 in)

Medium to heavy-duty belt for industrial applications.

Belt types

S8-0 FLT Closed, smooth surface
S8-0 NSK Closed, anti-skid pattern
S8-25 RAT Open surface with rounded contact surfaces
S8-0 FRT1 Closed, friction top



Series 10

Pitch 25.4 mm (1 in)

Light to medium-duty belt for products in hygiene-sensitive applications.

S10-0 FLT Closed, smooth surface
S10-22 FLT Open, smooth surface

Overview Siegling Prolink Curved modules

Series 5

Pitch 25 mm (1 in)*

Medium-duty radius and spiral belt with stainless steel hinge pins. Exceptionally strong and versatile curved belt with large open area.

Belt types

S5-45 GRT Lattice shaped, large open area
S5-45 GRT G Guided side module
S5-45 NTP Very large open area, lattice shaped with round studs
S5-45 FRT With friction top
S5-45 GRT ST Reinforced type

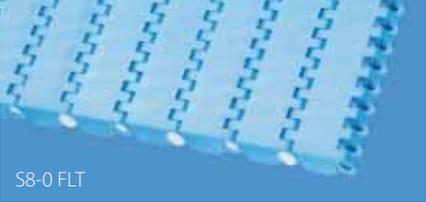
Series 9

Pitch 50 mm (2 in)*

Heavy-duty radius and spiral belt with stainless steel hinge pins. Exceptionally strong and versatile curved belt with large open area.

S9-57 GRT Lattice shaped, large open area
S9-57 GRT G Guided side module
S9-57 NTP Very large open area, lattice shaped with round studs
S9-57 GRT F2, F3, F4, F5, F6, F7, F8 Enhanced to handle large curve radii

Continued from previous double page.

	Materials**	Colours (standard)**	Allowable belt pull [N/mm (lb/ft)]***	Pitch [mm (in)]	Belt width min. [mm (in)]	Width increments [mm (in)]
 S8-0 FLT	PP, PP (R7), POM, POM (R6), POM-CR, PXX-HC	AT, BL, BL (BK), BK, LG, LG (BK), WT	20 to 40 (1370 to 2740)	25.4 (1)	38.1 (1.5)	12.7 (0.5)
 S10-0 FLT	PE, PP, POM	LB, WT	3 to 20 (206 to 1370)	25.4 (1)	38.1 (1.5)	19.05 (0.75)

	Materials**	Colours (standard)**	Allowable belt pull [N/mm (lb/ft)]*** (Straight)	Allowable belt pull [N (lb)]*** (Curves)	Pitch [mm (in)]*	Belt width min. [mm (in)]*	Width increments [mm (in)]*	Technical notes
 S5-45 GRT	PE, PP, POM	DB, WT	10 to 25 (685 to 1713)	1000 to 2100 (225 to 473)	25 (1)	100 (3.9)	25 (1)	Min. curve radius = 2 x belt width, min. length of the straight in-feed/out-feed section in front of/after curve = 2 x belt width.
 S9-57 GRT	PE, PP, POM	LG, WT	12 to 30 (822 to 2055)	1600 to 2800 (360 to 630)	50 (2)	100 (3.9)	50 (2)	Min. curve radius = 1.8 x belt width, min. length of the straight in-feed/out-feed section in front of/after curve = 2 x belt width.

* All imperial measurements have been rounded up.

** Not all materials are available in all colours.

*** Depending on type and material.

The abbreviations and type designations are explained on the fold-out page at the back.

Overview of areas used

	Cleaning	Draining	Elevators	Sorting	Standard conveying	Deep freezing	Palletizing/de-palletizing	Container conveying	Sterilising/cooling	Emptying moulds	Cleaning tunnels	Spirals	Cooling/freezing	Standard conveying	Decorating/glazing	Metal detectors	Conveying sheets/moulds	Laminating	Packaging
	Fruit and vegetables										Baked goods								
Series 1																			
S1-0 FLT	•		•	•	•					•	•						•		•
S1-18 FLT		•	•		•	•					•								
S1-0 NSK																			
S1-0 FRT																			
Series 2																			
S2-0 FLT				•	•									•	•		•	•	•
S2-12 FLT																			
S2-57 GRT	•	•				•			•				•			•		•	
S2-57 RRB						•	•	•	•				•			•			
S2-0 FRT						•	•	•	•				•			•			
Series 3																			
S3-0 FLT			•	•	•		•	•		•				•	•		•		•
S3-16 FLT	•	•	•		•	•			•		•								
S3-0 LRB																			
S3-16 LRB																			
Series 4.1																			
S4.1-0 FLT													•	•	•	•		•	•
S4.1-0 NPY													•	•	•	•		•	•
S4.1-0 FRT1				•			•						•	•	•	•		•	•
S4.1-21 FLT													•	•	•	•		•	•
S4.1-21 NTP		•	•																
Series 5																			
S5-45 GRT	•	•			•	•			•	•	•		•	•		•	•		
S5-45 GRT G	•	•			•	•			•	•	•	•	•	•		•	•		
S5-45 NTP																			
S5-45 FRT																			
S5-45 GRT ST	•	•			•	•			•	•	•	•	•	•		•	•		
Series 6.1																			
S6.1-0 FLT		•	•			•				•				•		•			•
S6.1-0 NTP																			
S6.1-0 CTP																			
S6.1-23 FLT	•	•	•		•	•			•		•		•	•					
Series 7																			
S7-0 FLT																			
S7-6 FLT																			
S7-0 NSK																			
S7-6 NSK																			
S7-0 FRT																			
Series 8																			
S8-0 FLT					•		•	•		•							•		•
S8-0 NSK																			
S8-25 RAT							•	•						•			•		•
S8-0 FRT1				•			•	•											•
Series 9																			
S9-57 GRT	•	•				•			•		•		•	•			•		•
S9-57 GRT G	•	•				•			•		•		•	•			•		•
S9-57 NTP																			
S9-57 GRT F2, F3, F4, F5, F6, F7, F8												•							
Series 10																			
S10-0 FLT	•		•	•	•								•	•	•	•			
S10-22 FLT	•	•	•		•						•		•	•		•			

Type key, legend

Type key*

		Series ①		Open area/Sprocket size ②		Surface pattern ③		Type ④		Style ⑤		Material ⑥		Colour ⑦		Height/Diameter/Bore size and style ⑧		Length/Width ⑨	
S2	-	Z20		SPR		POM	WT	RD1.5IN											
S4.1	-	0	FLT	UM		POM	BL												W200
S5	-	45	GRT	SML	SG	POM	WT	H100											W100

Legend

① Series S1 S2 S3 S4.1 S5 S6.1 S7 S8 S9 S10	④ Type CM = Centre module SML = Side module, left SMR = Side module, right SMU = Side module, universal/both sides UM = Universal module PMC = Profile module centre PMU = Profile module universal PMU lxx = Profile module universal with indent xx = indent in mm CLP = Clip RI = High Grip insert SG = Module with sideguard PIN = Coupling rod FPL = Finger plate SPR = Sprocket RTR = Retaining ring TPL = Turning panel, left TPR = Turning panel, right	⑥ Material PA = Polyamide PA-HT = Polyamide high temperature PBT = Polybutylenterephthalate PE = Polyethylene PE-MD = PE metal detectable POM = Polyoxymethylene (Polyacetal) POM-CR = POM cut resistant POM-HC = POM highly conductive POM-MD = POM metal detectable PP = Polypropylene PP-HC = PP highly conductive PXX = Self-extinguishing material PXX-HC = Self-extinguishing highly conductive material POM-PE = POM side modules + PE centre modules POM-PP = POM side modules + PP centre modules R1 = TPE 80 Shore A, PP R2 = EPDM 80 Shore A, vulcanised R3 = TPE 70 Shore A, PP R4 = TPE 86 Shore A, PP R5 = TPE 52 Shore A, PP R6 = TPE 63 Shore A, POM R7 = TPE 50 Shore A, PP R8 = TPE 55 Shore A, PE SER = Self-extinguishing TPE SS = Stainless steel HA = Supports the HACCP concept	⑦ Colour** AT = Anthracite BL = Blue BG = Beige BK = Black DB = Dark blue GN = Green LB = Light blue LG = Light grey OR = Orange RE = Red TR = Transparent WT = White YL = Yellow	⑧ Height/Diameter/Bore size and style Height in mm Format: Hxxx Pin diameter in mm Format: Dxxx Bore size: SQ (= square) or RD (= round) either in mm or inches Format: SQxxMM or RDxxIN	⑨ Length/Width Pins Length in mm Format: Lxxx Module width in mm Format: Wxxx
② Open area/Sprocket size Percentage open area Format: xx E.g. 20 = 20 % For sprockets: number of teeth Format: "Z"xx E.g. Z12 = 12 teeth	③ Surface pattern CTP = Cone top FLT = Flat top FRT1 = Friction top, Design 1 FRT-OG = FRT without High Grip insert GRT = Grid top LRB = Lateral rib MOD = Modified module shape NCL = No cling NPY = Inverted pyramid NSK = Non skid NTP = Nub top RAT = Radius top RRB = Raised rib	⑤ Style BT = Bearing tap G = Guided SG = Side guard ST = Strong (S5) DR = Double row sprocket SP = Split sprocket F1, F2, = Collapse factor F3 ... modules			

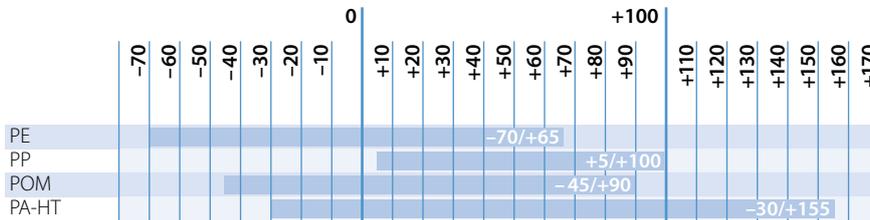
* Not every product requires all characteristics (within the designation).

If there is an irrelevant characteristic, this category will be ignored and replaced by the following one.

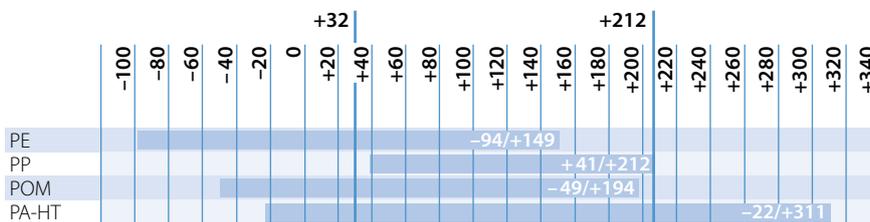
** Please refer to the table of types for each series' standard colours. A number of other colours are available on request. Colours can vary from the original due to the print, production processes or material used.

Temperature ranges/HACCP types/ Certificates/materials

Temperature ranges in °C



Temperature ranges in °F



HACCP types

Series 4.1, 6.1 and 10 in particular support your HACCP concept with a number of hygiene-friendly characteristics. These features include:

Easy-to-clean design

- with wide channels underneath the module

Excellent resistance to hydrolysis

- resistant to hot water, cleaning agents and disinfectants

Good release properties

- beneficial when manufacturing adhesive foodstuffs (minimal product wastage)
- product residue is easy to remove
- easy-to-clean hinge design

Blue a strong colour contrast

- soiling is easier to identify
- suitable for usage in optical sorters
- reduces light reflection, making working conditions better

Certificates

FDA/EU

Siegling Prolink modular belts made of PE, PP and POM comply with FDA 21 CFR as well as the (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds.

NSF

Prolink series 6.1 and 10 are NSF-certified in line with the NSF/ANSI 14159-3 standard.

Halal

All Siegling POM Prolink modular belts are certified as being compliant with the Halal regulations by IFRC Asia (member of the World Halal Council).

Materials

PE (Polyethylene)

- very good chemical resistance to acids and alkalis
- very good release properties due to low surface tension
- good friction and abrasion behaviour
- extremely tough
- low specific weight

PP (Polypropylene)

- standard material for normal conveying applications
- quite strong and stiff
- good dynamic capacity
- highly resistant to acids, alkalis, salts, alcohols
- low specific weight
- no risk of stress cracks forming

POM (Polyoxymethylene/Polyacetal)

- very dimensionally stable
- very strong and stiff
- high chemical resistance to organic solvents
- lower drag
- very durable material
- hard, incision-resistant surface

POM-CR (POM cut resistant)

- highly resistant to impact and incision
- easy to clean
- minimal ridge formation
- low risk of material delamination

POM-HC (POM highly conductive)

- highly conductive material
- surface resistivity < 10⁶ Ω (according to specification)
- very strong and stiff
- very good friction and abrasion properties

POM-MD (POM metal detectable)

- material easily detected in metal detectors
- very strong and stiff
- very good tribological properties (friction and abrasion levels)

PA-HT (Polyamide high temperature)

- material reinforced with fibre glass
- very high short-term temperature resistance up to 180 °C (356 °F)
- absorbs little water in humid environments
- very stiff
- durable

PXX-HC (self-extinguishing highly conductive material)

- flame retardant in line with DIN EN 13501 (B_{fl}-s1) and DIN 4102 (B1)
- surface resistivity < 10⁶ Ω
- specially for use in the automotive industry

PBT (Polybutylenterephthalate)

- good wear resistance
- very good abrasive resistance
- good strength and stiffness

PXX (self-extinguishing material)

- quite strong and stiff
- good dynamic capacity
- highly resistant to acids, alkalis, salts, alcohols

Siegling – total belting solutions

Committed staff, quality-orientated organisation and production processes ensure the constantly high standards of our products and services. The Forbo Siegling Quality Management System is certified in accordance with DIN EN ISO 9001.

In addition to product quality, environmental protection is an important corporate goal. Early on we also introduced an environmental management system, certified in accordance with ISO 14001.



Forbo Siegling Service – anytime, anywhere

In the company group, Forbo Siegling employs more than 1800 people worldwide. Our production facilities are located in nine countries; you can find companies and agencies with stock and workshops in more than 50 countries. Forbo Siegling service centres provide qualified assistance at more than 300 locations throughout the world.