

# Ultrasync Belts for Positive Drive



As a leading manufacturer of various ranges of process and conveyor belting and power transmission belts, *Ammeraal Beltech* developed a new generation of belts: **Ultrasync – belts for positive drive and synchronous conveying.**

The Ultrasync belting range is suitable for various industry segments, including food. With Ultrasync belts, *Ammeraal Beltech* has combined all good characteristics of synthetic conveyor belts, plastic modular belts and timing belts.

Ultrasync belts are ideal where there are problems with:

- Belt slippage, e.g. in wet and oily circumstances
- Synchronising: high speed processes with multi-function
- Cycle operation: start/stop function
- Tracking; less tension, easier to track

## Main features

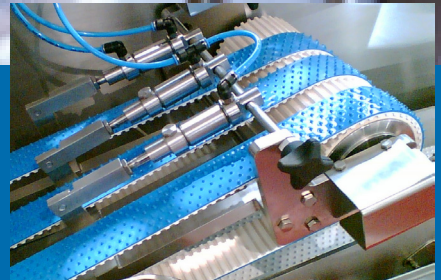
- Positive drive, no slippage
- Improved tracking
- Water, oil and chemical resistant
- Ambient temperature: -10° C up to +100°C

## Customer benefits

- Positive drive, thus less tension:
  - › Lower shaft forces
  - › No re-tensioning needed
  - › Smaller drive pulleys
  - › Compact machine design
- Improved tracking
- Higher acceleration without slippage
- Increased throughput and yield on production lines
- Foodgrade; selected types meet FDA and EC requirements
- Wide range of accessories: carriers, sidewalls, covering materials
- Maximum width up to 1000 mm
- Production to special request possible: fabrics, coatings, profiles, colour

## Applications

- Synchronous conveying and positioning
- Precision high speed indexing and motion
- Food processing
- Packaging machines and lines
- Hygienic paper production lines
- Automated process lines
- Vacuum applications
- Production lines in tire industry
- Wood processing lines
- Etc.



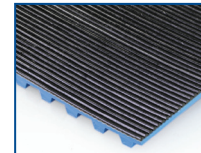
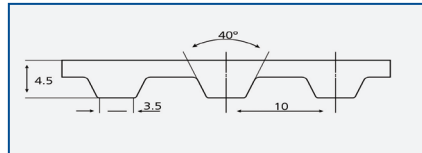
# Innovation & Service in Belting

## Technical information

### Ultrasync belts standard range

Article No.	Description	Bottomside T10 profile					Topside			Max. allowable tension [N/mm]		Min. pulley dia. flexing [mm]
		Material	Shore hardness	Colour	Reinforcement (tension member)	Material	Shore hardness	Colour	Spliced	Open		
UC2102	Ultrasync T10 210 A18 FG	Ropanyl TPU	93A	white	PES	Ropanyl TPU	93A	white	1	3	36	
UC2202	Ultrasync T10 220 A18 FG	Ropanyl TPU	93A	blue	PES	Ropanyl TPU	93A	blue	1	3	40	
UC2500	Ultrasync T10 250 FG	Ropanyl TPU	85A	white	PES	Ropanyl TPU	85A	white	1	3	36	
UC2510	Ultrasync T10 251 NT FG	Nylon fabric	-	green	PES	Ropanyl TPU	85A	white	1	3	36	
UC2520	Ultrasync T10 252 NTB FG	Fabric	85A	green	PES	Fabric	85A	green	1	3	43	
UC2600	Ultrasync T10 260 FG	Ropanyl TPU	85A	blue	PES	Ropanyl TPU	85A	blue	1	3	36	
UC5100	Ultrasync T10 510 FG	Ropanyl TPU	93A	white	PES	Ropanyl TPU	93A	white	9	13	43	
UC5101	Ultrasync T10 510 M2 FG	Ropanyl TPU	93A	white	PES	Ropanyl TPU	93A	white	9	13	43	
UC5110	Ultrasync T10 511 NT FG	Nylon fabric	-	green	PES	Ropanyl TPU	93A	white	9	13	43	
UC5200	Ultrasync T10 520 FG	Ropanyl TPU	93A	blue	PES	Ropanyl TPU	93A	blue	9	13	43	
UC5201	Ultrasync T10 520 M2 FG	Ropanyl TPU	93A	blue	PES	Ropanyl TPU	93A	blue	9	13	43	
UC5300	Ultrasync T10 530 FG	Amtel TPE-E	40D	ivory	PES	Amtel TPE-E	40D	ivory	9	13	49	
UC5750	Ultrasync T10 575 FG	Ropanyl TPU	93A	white	PES	Fabric	-	-	9	13	36	
UC5900	Ultrasync T10 590 FG	Ropanyl TPU	93A	white	PES	Silam Si	30A	blue	9	13	43	
UC8100	Ultrasync T10 810 FG	Ropanyl TPU	93A	white	Aramid	Ropanyl TPU	93A	white	39	77	49	

Max. width 1000 mm  
 Min. length for spliced belts,  
 belt width up to 150 mm: 500 mm  
 belt width over 150 mm: 1000 mm



with longitudinal rib profile



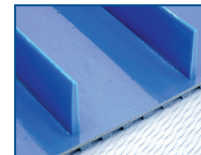
with customised holes

### Ultrasync fabrication

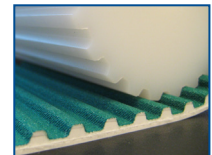
All Ultrasync belts are fabricated using the same methods as for the synthetic conveyor belts and timing belts. These include splicing (also on site), perforations, grinding of toothed side or topside, carriers, V-guides and Amseal closed belt edges.

### Ultrasync special range

In addition to the standard range, Ultrasync belts can be produced according to special requirement. Variations are possible in the reinforcement fabric; the bottom material and colour; the top material, thickness, profile, and colour.



with carriers



low friction fabric on toothed side

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