

# Ultrasync F5 T10 Ropanyl A18 light blue FG

## General information

|                             |                                                                |
|-----------------------------|----------------------------------------------------------------|
| <b>Product group</b>        | Ultrasync                                                      |
| <b>Industry segment</b>     | General industry; Food: Meat & poultry, Fish & seafood, Bakery |
| <b>Main product feature</b> | Positive drive, Wear resistant, Wet circumstances              |

## Belt construction

|                        |                 |                                  |
|------------------------|-----------------|----------------------------------|
| <b>Tension layer</b>   |                 | polyester                        |
| <b>Number of plies</b> |                 | 1                                |
| <b>Top side</b>        | <b>material</b> | Ropanyl, TPU                     |
|                        | <b>finish</b>   | profile, A18 Fine square profile |
|                        | <b>color</b>    | Light blue                       |
| <b>Bottom side</b>     | <b>material</b> | Ropanyl, TPU                     |
|                        | <b>finish</b>   | profile, T10                     |
|                        | <b>color</b>    | Light blue                       |

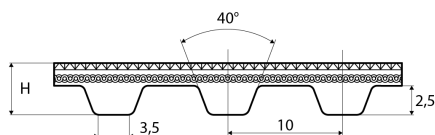
## Characteristics

|                                 |     |                               |
|---------------------------------|-----|-------------------------------|
| <b>Food Grade (FG)</b>          | yes | EC 1935/2004, EU 10/2011; FDA |
| <b>Oil &amp; Fat resistance</b> | yes |                               |
| <b>Antistatic (AS)</b>          | no  |                               |
| <b>ATEX approval</b>            | no  |                               |

## Technical data

|                                                     |                          |           |                       |                          |  |
|-----------------------------------------------------|--------------------------|-----------|-----------------------|--------------------------|--|
| <b>Tooth</b>                                        | profile                  |           | T10                   |                          |  |
| <b>Hardness</b>                                     | ISO 868                  | top side  | 85A Shore             |                          |  |
| <b>Belt tension at maximum allowable elongation</b> |                          |           | 5 N/mm                | 28.55 lbs/in.            |  |
| <b>Thickness</b>                                    |                          | belt      | 4.95 mm               | 0.19 in.                 |  |
|                                                     |                          | top cover | 0.85 mm               | 0.03 in.                 |  |
| <b>Weight</b>                                       |                          |           | 3.8 kg/m <sup>2</sup> | 0.78 lbs/ft <sup>2</sup> |  |
| <b>Coefficient of friction</b>                      | tooth side against steel | dynamic   | 0,5                   |                          |  |
| <b>Operating temperature</b>                        | continuous               | from / to | -10 / 90 °C           | 14 / 194 °F              |  |
| <b>Minimum pulley diameter</b>                      | flexing                  |           | 36 mm                 | 1.42 in.                 |  |
|                                                     | backflexing              |           | 40 mm                 | 1.57 in.                 |  |
| <b>Belt width</b>                                   | maximum                  |           | 1000 mm               | 39.37 in.                |  |

## Reference images



## Fabrication

This information on the fabrication options is general, please contact Ammeraal Beltech to inquire for the specific fabrication possibilities of the belt of your choice.

Open end, prepared splice, spliced endless with mechanical fastener or a pin joint fastener.

Cleats welded or mechanically attached, metal teeth, guides welded or glued.

Covers can be welded, glued, coated or vulkanized onto the back side of the timing belt.

Thermoplastic covers can be embossed.

Perforations, lateral and longitudinal slots, lateral and longitudinal profiles.

## Additional information

This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F), unless otherwise stated, individual data may differ.

The T10 tooth profile is according to ISO 17396.

| Pulley load     |              |                  |                     |                |                 |              |                  |                     |                |
|-----------------|--------------|------------------|---------------------|----------------|-----------------|--------------|------------------|---------------------|----------------|
| Number of teeth | outer Ø [mm] | Effective Ø [mm] | Ø with flanges [mm] | Max. bore [mm] | Number of teeth | outer Ø [mm] | Effective Ø [mm] | Ø with flanges [mm] | Max. bore [mm] |
| 12              | 36.35        | 38.20            | 42                  | 24             | 67              | 211.42       | 213.27           | 217                 | 177            |
| 13              | 39.53        | 41.38            | 45                  | 26             | 68              | 214.60       | 216.45           | 221                 | 181            |
| 14              | 42.71        | 44.56            | 49                  | 30             | 69              | 217.78       | 219.63           | 224                 | 185            |
| 15              | 45.90        | 47.75            | 52                  | 34             | 70              | 220.97       | 222.82           | 227                 | 187            |
| 16              | 49.08        | 50.93            | 55                  | 36             | 71              | 224.15       | 226.00           | 230                 | 191            |
| 17              | 52.26        | 54.11            | 58                  | 40             | 72              | 227.33       | 229.18           | 233                 | 193            |
| 18              | 55.45        | 57.30            | 61                  | 44             | 73              | 230.52       | 232.37           | 236                 | 197            |
| 19              | 58.63        | 60.48            | 65                  | 46             | 74              | 233.70       | 235.55           | 240                 | 201            |
| 20              | 61.81        | 63.66            | 68                  | 50             | 75              | 236.88       | 238.73           | 243                 | 203            |
| 21              | 65.00        | 66.85            | 71                  | 52             | 76              | 240.07       | 241.92           | 246                 | 207            |
| 22              | 68.18        | 70.03            | 74                  | 56             | 77              | 243.25       | 245.01           | 249                 | 209            |
| 23              | 71.36        | 73.21            | 77                  | 60             | 78              | 246.43       | 248.28           | 252                 | 213            |
| 24              | 74.54        | 76.39            | 80                  | 62             | 79              | 249.61       | 251.46           | 256                 | 215            |
| 25              | 77.73        | 79.58            | 84                  | 66             | 80              | 252.80       | 254.65           | 259                 | 219            |
| 26              | 80.91        | 82.76            | 87                  | 68             | 81              | 255.98       | 257.83           | 262                 | 223            |
| 27              | 84.09        | 85.94            | 90                  | 72             | 82              | 259.16       | 261.01           | 265                 | 225            |
| 28              | 87.28        | 89.13            | 93                  | 76             | 83              | 262.35       | 264.20           | 268                 | 229            |
| 29              | 90.46        | 92.31            | 96                  | 78             | 84              | 265.53       | 267.38           | 271                 | 231            |
| 30              | 93.64        | 95.49            | 100                 | 82             | 85              | 268.71       | 270.56           | 275                 | 235            |
| 31              | 96.83        | 98.68            | 103                 | 84             | 86              | 271.90       | 273.75           | 278                 | 239            |
| 32              | 100.01       | 101.86           | 106                 | 88             | 87              | 275.08       | 276.93           | 281                 | 241            |
| 33              | 103.19       | 105.04           | 109                 | 88             | 88              | 278.26       | 280.11           | 284                 | 245            |
| 34              | 106.38       | 108.23           | 112                 | 92             | 89              | 281.45       | 283.30           | 287                 | 247            |
| 35              | 109.56       | 111.41           | 115                 | 96             | 90              | 284.63       | 286.48           | 291                 | 251            |
| 36              | 112.74       | 114.59           | 119                 | 98             | 91              | 287.81       | 289.66           | 294                 | 255            |
| 37              | 115.92       | 117.77           | 122                 | 101            | 92              | 291.00       | 292.85           | 297                 | 257            |
| 38              | 119.11       | 120.96           | 125                 | 104            | 93              | 294.18       | 296.03           | 300                 | 261            |
| 39              | 122.29       | 124.14           | 128                 | 106            | 94              | 297.36       | 299.21           | 303                 | 263            |
| 40              | 125.47       | 127.32           | 131                 | 110            | 95              | 300.54       | 302.39           | 306                 | 267            |
| 41              | 128.66       | 130.51           | 135                 | 110            | 96              | 303.73       | 305.58           | 310                 | 269            |
| 42              | 131.84       | 133.69           | 138                 | 112            | 97              | 306.91       | 308.76           | 313                 | 273            |
| 43              | 135.02       | 136.87           | 141                 | 114            | 98              | 310.09       | 311.94           | 316                 | 279            |
| 44              | 138.21       | 140.06           | 144                 | 118            | 99              | 313.28       | 315.13           | 319                 | 283            |
| 45              | 141.39       | 143.24           | 147                 | 120            | 100             | 316.46       | 318.31           | 322                 | 285            |
| 46              | 144.57       | 146.42           | 150                 | 122            | 101             | 319.64       | 321.49           | 326                 | 289            |
| 47              | 147.76       | 149.61           | 154                 | 122            | 102             | 322.83       | 324.68           | 329                 | 293            |
| 48              | 150.94       | 152.79           | 157                 | 124            | 103             | 326.01       | 327.86           | 332                 | 295            |
| 49              | 154.12       | 155.97           | 160                 | 126            | 104             | 329.19       | 331.04           | 335                 | 299            |

|    |        |        |     |     |     |        |        |     |     |
|----|--------|--------|-----|-----|-----|--------|--------|-----|-----|
| 50 | 157.31 | 159.16 | 163 | 130 | 105 | 332.38 | 334.23 | 338 | 301 |
| 51 | 160.49 | 162.34 | 166 | 134 | 106 | 335.56 | 337.41 | 341 | 305 |
| 52 | 163.67 | 165.52 | 170 | 136 | 107 | 338.74 | 340.59 | 345 | 309 |
| 53 | 166.85 | 168.70 | 173 | 140 | 108 | 341.92 | 343.77 | 348 | 311 |
| 54 | 170.04 | 171.89 | 176 | 144 | 109 | 345.11 | 346.96 | 351 | 315 |
| 55 | 173.22 | 175.07 | 179 | 146 | 110 | 348.29 | 350.14 | 354 | 317 |
| 56 | 176.40 | 178.25 | 182 | 150 | 111 | 351.47 | 353.32 | 357 | 321 |
| 57 | 179.59 | 181.44 | 185 | 152 | 112 | 354.66 | 356.51 | 361 | 323 |
| 58 | 182.77 | 184.62 | 189 | 156 | 113 | 357.84 | 359.69 | 364 | 327 |
| 59 | 185.95 | 187.80 | 192 | 160 | 114 | 361.02 | 362.87 | 367 | 330 |
| 60 | 189.14 | 190.99 | 195 | 162 | 115 | 364.21 | 366.06 | 370 | 333 |
| 61 | 192.32 | 194.17 | 198 | 164 | 116 | 367.39 | 369.24 | 373 | 336 |
| 62 | 195.50 | 197.35 | 201 | 166 | 117 | 370.57 | 372.42 | 376 | 340 |
| 63 | 198.69 | 200.54 | 205 | 170 | 118 | 373.76 | 375.61 | 380 | 344 |
| 64 | 201.87 | 203.72 | 208 | 171 | 119 | 376.94 | 378.79 | 383 | 348 |
| 65 | 205.05 | 206.90 | 211 | 174 | 120 | 380.12 | 381.97 | 386 | 354 |
| 66 | 208.23 | 210.08 | 214 | 175 |     |        |        |     |     |

Standard