

Ultrasync F5 T10 Ropanyl white FG

Article code: UCRY005100

General information

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

Belt construction

| | | |
|------------------------|-----------------|--------------|
| Tension layer | | polyester |
| Number of plies | | 1 |
| Top side | material | Ropanyl, TPU |
| | finish | smooth |
| | color | white |
| Bottom side | material | Ropanyl, TPU |
| | finish | profile, T10 |
| | color | white |

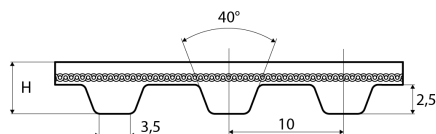
Characteristics

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

Technical data

| | | | | | |
|---|--------------------------|-----------|-----------------------|--------------------------|--|
| Tooth | profile | | T10 | | |
| Hardness | ISO 868 | top side | 93A Shore | | |
| Belt tension at maximum allowable elongation | | | 5 N/mm | 28.55 lbs/in. | |
| Thickness | | belt | 4.7 mm | 0.19 in. | |
| | | top cover | 0.7 mm | 0.03 in. | |
| Weight | | | 3.7 kg/m ² | 0.76 lbs/ft ² | |
| Coefficient of friction | tooth side against steel | dynamic | 0,5 | | |
| | | static | 0,6 | | |
| Operating temperature | continuous | from / to | -10 / 90 °C | 14 / 194 °F | |
| Minimum pulley diameter | flexing | | 43 mm | 1.69 in. | |
| | backflexing | | 60 mm | 2.36 in. | |
| Belt width | 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 logitudinal 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