**Technical datasheet** 

## Solicord Round TPU 85A Ultramarine Blue SM FG 50



Article code: SCRB000391

| General information     |                   |                              |  |     |         |  |  |  |  |
|-------------------------|-------------------|------------------------------|--|-----|---------|--|--|--|--|
| Product group           | SoliCord          |                              |  |     |         |  |  |  |  |
|                         |                   |                              |  |     |         |  |  |  |  |
| Construction            |                   |                              |  |     |         |  |  |  |  |
| Material                | TPU               |                              |  |     |         |  |  |  |  |
| (Top)surface finish     | smooth            |                              |  |     |         |  |  |  |  |
| Color                   | ultra marine blue |                              |  |     |         |  |  |  |  |
| Shape                   | Round             |                              |  |     |         |  |  |  |  |
| Execution               | solid             |                              |  |     |         |  |  |  |  |
|                         |                   |                              |  |     |         |  |  |  |  |
| Characteristics         |                   |                              |  |     |         |  |  |  |  |
| Food Grade (FG)         | yes               | all foodstuff; all foodstuff |  |     |         |  |  |  |  |
| Antistatic (AS)         | no                |                              |  |     |         |  |  |  |  |
| ATEX approval           | no                |                              |  |     |         |  |  |  |  |
|                         |                   |                              |  |     |         |  |  |  |  |
| Technical data          |                   |                              |  |     |         |  |  |  |  |
| Hardness                | ISO 868           |                              |  | 88/ | A Shore |  |  |  |  |
| Recommended pre-tension |                   |                              |  |     | 7 %     |  |  |  |  |

| Recommended pre-tension  |                                 |  | 7        | %                   |           |       |  |  |  |  |
|--------------------------|---------------------------------|--|----------|---------------------|-----------|-------|--|--|--|--|
| Working tension          |                                 |  | 15       | daN/cm <sup>2</sup> |           |       |  |  |  |  |
| Diameter                 |                                 |  | 5        | mm                  | 0.2       | in.   |  |  |  |  |
| Cross section            |                                 |  | 0.283    | cm²                 |           |       |  |  |  |  |
| Weight                   |                                 |  | 0.028    | kg/m                | 0.01      | lb/ft |  |  |  |  |
| Operating temperature    | continuous                      | from / to  | -30 / 80 | °C                  | -22 / 176 | °F    |  |  |  |  |
| Minimum pulley diameter  |                                 |  | 35       | mm                  | 1.38      | in.   |  |  |  |  |
| Coefficient of friction  | against steel                   | dynamic  | 0,75     |                     |           |       |  |  |  |  |
|                          | against PE                      |  | 0,4      |                     |           |       |  |  |  |  |
|                          | against HDPE                    |  | 0,35     |                     |           |       |  |  |  |  |
| Manufacturing length     | maximum                         |  | 200000   | mm                  | 7874.02   | in.   |  |  |  |  |
|                          |                                 |  |          |                     |           |       |  |  |  |  |
| Fabrication              |                                 |  |          |                     |           |       |  |  |  |  |
| Recommended splice types | Butt weld                       | Butt weld  |          |                     |           |       |  |  |  |  |
| Splice equipment         | Only use equipment supplied     | Only use equipment supplied or approved by Ammeraal Beltech.   |          |                     |           |       |  |  |  |  |
| Splicing on site         | Always first make a test splice | Always first make a test splice to confirm the right settings and proper pre-heating of the equipment. |          |                     |           |       |  |  |  |  |

## 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. Keep the belt tension to a practical working minimum for maximum belt and machine life.

Always protect belts from sunlight/UV-radiation, avoid temperatures below 10°C and above 40°C, dust and dirt.

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