

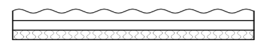
| Technical Datasheet | PolySprint™                 | Conveyor Belt |
|---------------------|-----------------------------|---------------|
|                     | Belt type <b>SNTC-TW18A</b> | PS-085 Ver.6  |

### Applications

- Belt on roller / MDR
- Logistics
- Light duty conveyor

### Construction



| Top side       | Bottom side                                                                         |
|----------------|-------------------------------------------------------------------------------------|
| Soft TPU       | -                                                                                   |
| Mini rough top | Knit                                                                                |
| Green          | Blue                                                                                |
| Tension member | Splice                                                                              |
| -              | Finger                                                                              |
| Knit           | (10×30, 20×20)                                                                      |
| Construction   |  |

### Dimensions

|                      |                       |
|----------------------|-----------------------|
| Width/Roll (max.)    | 1000mm                |
| Width/Endless (max.) | 1000mm                |
| Length (max.)        | 90m                   |
| Total thickness      | 1.8mm                 |
| Weight               | 1.5 Kg/m <sup>2</sup> |

Please contact Nitta if you need other dimensions.

### Regulatory compliance

RoHS(2011/65/EC,  
(EU)2015/863)

### Features

Antistatic  
No tensioning device required  
High grip  
Incline conveyance  
Flame retardant : UL-94 HB  
Flame retardant : ASTM-D378  
Whisper  
Slider bed  
Roller bed

### Properties

#### Minimum pulley diameter

|              |      |
|--------------|------|
| Flexing      |      |
| Finger       | 20mm |
| Back flexing |      |
| Finger       | 20mm |

#### Dynamic properties

|                                  |          |
|----------------------------------|----------|
| Standard elongation              | 2.0%     |
| Tension after relaxation at 2.0% | 0.3N/mm  |
| Initial tension at 8.0%          | 2.1N/mm  |
| Tension after relaxation at 8.0% | 1.0N/mm  |
| Operating temperature range      | -20~60°C |

\*After 200hrs running-in

#### Tensile properties

|                              |         |
|------------------------------|---------|
| Tensile strength             | 15N/mm  |
| Elongation at break          | 150%    |
| Maximum allowable tension    | 2.1N/mm |
| Maximum allowable elongation | 8.0%    |

#### Coefficient of friction

|        |                   |         |
|--------|-------------------|---------|
| Top    | vs. Steel         | 0.7~0.8 |
|        | vs. Paper         | 0.8~0.9 |
| Bottom | vs. Steel         | 0.1~0.2 |
|        | vs. Paper         | 0.2~0.3 |
|        | vs. Lagged pulley | 0.3~0.5 |
|        | vs. POM (resin)   | 0.1~0.3 |

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