

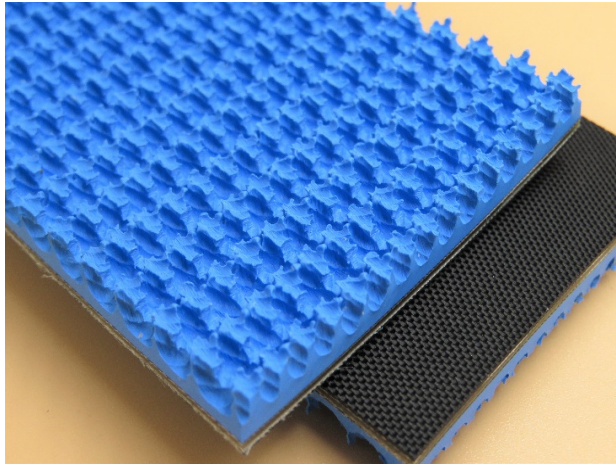
| | | |
|---------------------|-----------|---------------|
| Technical Datasheet | PolyBelt™ | Conveyor Belt |
| | Belt type | RT-500 |

PB-083 Ver.3

Applications

- Flexo folder gluer
- Woodworking machine

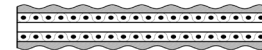
Construction



| Top side | Bottom side |
|-----------|---------------|
| NBR | NBR |
| - | 0.3mm |
| Rough top | Rough pattern |
| Blue | Black |

| Tension member | Splice |
|----------------|--------|
| Polyamide | Skiver |
| Film | Step |
| 0.5mm | |

Construction



Dimensions

| | |
|----------------------|-----------------------|
| Width/Roll (max.) | 460mm |
| Width/Endless (max.) | 300mm |
| Length (max.) | 40m |
| Total thickness | approx. 6.0mm |
| Weight | 5.6 Kg/m ² |

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

- Antistatic
- Cushioning property
- High grip
- Superior abrasion resistance
- Incline conveyance
- Roller bed

Properties

Minimum pulley diameter

| | |
|--------------------------------|------|
| Power Transmission Application | |
| Skiver | - |
| Step | - |
| Conveyor Application | |
| Skiver | 90mm |
| Step | 90mm |

Dynamic properties

| | |
|----------------------------------|----------|
| Standard elongation | 1.0% |
| Tension after relaxation at 1.0% | 3.8N/mm |
| Initial tension at 3.0% | 22.8N/mm |
| Tension after relaxation at 3.0% | 11.4N/mm |
| Operating temperature range | -20~80°C |
| Operating temperature range* | -20~80°C |

*When under continuous use

Tensile properties

| | |
|------------------------------|----------|
| Tensile strength | 150N/mm |
| Elongation at break | 20% |
| Maximum allowable tension | 22.8N/mm |
| Maximum allowable elongation | 3.0% |

Coefficient of friction

| | | |
|--------|-------------------|-----------|
| Top | vs. Steel | 0.9~1.0 |
| | vs. Paper | about 1.0 |
| Bottom | vs. Steel | 0.5~0.6 |
| | vs. Paper | 0.6~0.7 |
| | vs. Lagged pulley | 0.7~0.9 |
| | vs. POM (resin) | 0.5~0.7 |