

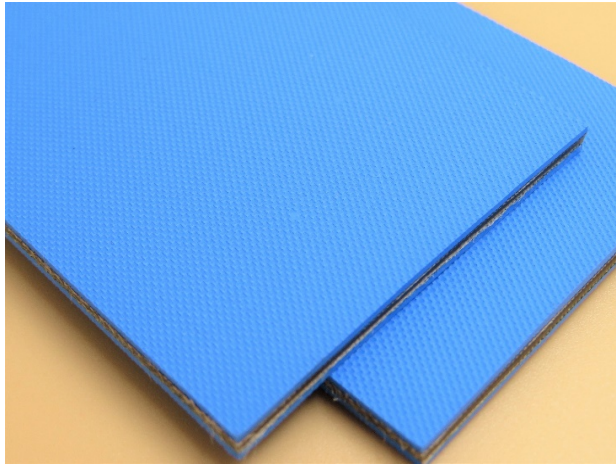
| | | |
|---------------------|------------------|--------------------------------------|
| Technical Datasheet | PolyBelt™ | Power Transmission and Conveyor Belt |
| | Belt type | XH-500-3 |

PB-048 Ver.3

Applications

- Folder gluer
- Woodworking machine
- Light duty conveyor

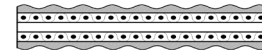
Construction



| Top side | Bottom side |
|---------------|---------------|
| NBR | NBR |
| 0.9mm | 0.9mm |
| Rough pattern | Rough pattern |
| Blue | Blue |

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

Construction



Dimensions

| | |
|----------------------|-----------------------|
| Width/Roll (max.) | 320mm |
| Width/Endless (max.) | 300mm |
| Length (max.) | 103m |
| Total thickness | 3.0mm |
| Weight | 3.4 Kg/m ² |

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Antistatic
High grip
Twist resistance
Superior abrasion resistance
Thicker (Extra Heavy) rubber type

Properties

Minimum pulley diameter

| | | |
|--------------------------------|--------|------|
| Power Transmission Application | Skiver | 50mm |
| Conveyor Application | Skiver | 30mm |

Dynamic properties

| | |
|----------------------------------|----------|
| Standard elongation | 1.0% |
| Tension after relaxation at 1.0% | 3.8N/mm |
| Initial tension at 2.0% | 15.2N/mm |
| Tension after relaxation at 2.0% | 7.6N/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 | 15.2N/mm |
| Maximum allowable elongation | 2.0% |

Coefficient of friction

| | | |
|--------|-------------------|---------|
| Top | vs. Steel | 0.7~0.8 |
| | vs. Paper | 0.8~0.9 |
| Bottom | vs. Steel | 0.7~0.8 |
| | vs. Paper | 0.8~0.9 |
| | vs. Lagged pulley | 0.9~1.1 |
| | vs. POM (resin) | 0.7~0.9 |