

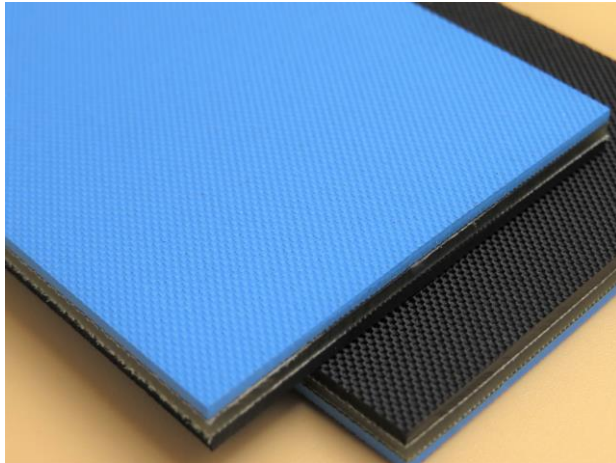
Technical Datasheet	<b>PolyBelt™</b>	Power Transmission and Conveyor Belt
	Belt type	<b>H-1000</b>

PB-039 ver.0

### Applications

- General transmission belt

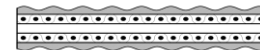
### Construction



Top side	Bottom side
NBR	NBR
1.1mm	1.1mm
Rough pattern	Rough pattern
Blue	Black

Tension member	Splice
Polyamide	Skiver
Film	
1.0mm	

Construction



### Dimensions

Width/Roll (max.)	325mm
Width/Endless (max.)	300mm
Length (max.)	105m
Total thickness	4.0mm
Weight	4.4 Kg/m <sup>2</sup>

©Please contact Nitta if you need other dimensions.

### Regulatory compliance

RoHS(2011/65/EC)  
REACH regulation

### Features

Antistatic  
Superior abrasion resistance  
Superior oil resistance  
Thick (Heavy) rubber type

### Properties

#### Minimum pulley diameter

Power Transmission Application  
Skiver 100mm

#### Conveyor Application

Skiver 75mm

#### Dynamic properties

Standard elongation  
2.0%

Tension after relaxation at 2.0%  
15.0N/mm

Initial tension at 3.0%  
45.0N/mm

Tension after relaxation at 3.0%  
22.5N/mm

Operating temperature range  
-20~80°C

Operating temperature range\*  
-20~80°C

\*When under continuous use

#### Tensile properties

Tensile strength  
300N/mm

Elongation at break  
20%

Maximum allowable tension  
45.0N/mm

Maximum allowable elongation  
3.0%

#### Coefficient of friction

Top vs. Steel  
0.5~0.6

vs. Paper  
0.6~0.7

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