NITTA

Technical Datasheet

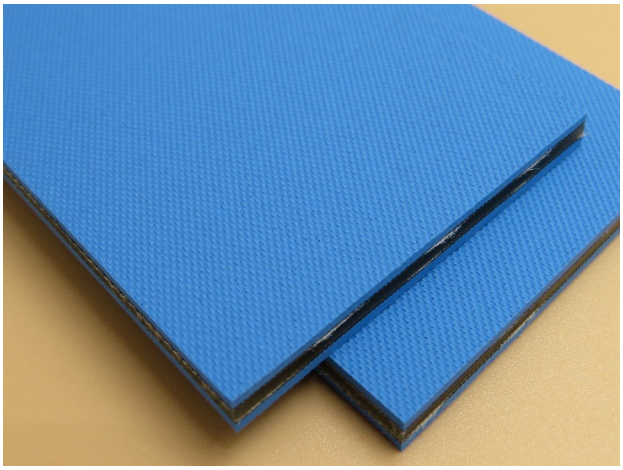
PolyBelt™ Power Transmission and Conveyor Belt

Belt type **MA-1500** PB-171 Ver.3

Applications

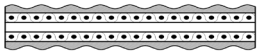
- Tube winder
- General transmission belt

Construction



	Top side	Bottom side
	NBR	NBR
	0.6mm	0.6mm
	Rough pattern	Rough pattern
	Blue	Blue

Tension member	Splice
Polyamide	Skiver
Film	
1.5mm	

Construction 

Dimensions

Width/Roll (max.)	325mm
Width/Endless (max.)	300mm
Length (max.)	105m
Total thickness	3.5mm
Weight	4.0 Kg/m²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Antistatic
Superior abrasion resistance
Superior oil resistance
Light colored on both covers
Medium thickness rubber type

Properties

Minimum pulley diameter

Power Transmission Application	
Skiver	150mm
Conveyor Application	
Skiver	90mm

Dynamic properties

Standard elongation	2.0%
Tension after relaxation at 2.0%	22.5N/mm
Initial tension at 3.0%	67.5N/mm
Tension after relaxation at 3.0%	33.8N/mm
Operating temperature range	-20~80℃
Operating temperature range*	-20~80℃

*When under continuous use

Tensile properties

Tensile strength	450N/mm
Elongation at break	20%
Maximum allowable tension	67.5N/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

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