NITTA

Technical Datasheet

Conveyor Belt

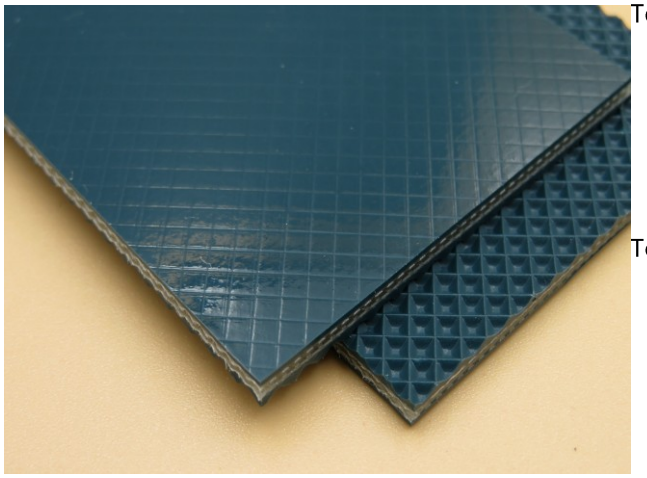
Belt type **BC-12C**

C-008 Ver.5

Applications

- Material handling
- Medium duty conveyor

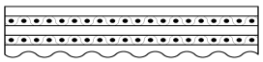
Construction



Top side	Bottom side
PVC	PVC
0.4mm	0.5mm
Mirror surface	SQPR pattern
Green	Green

Tension member	Splice
Polyester	Finger
Fabric	Skiver
2ply	

Construction



Dimensions

Width/Roll (max.)	3,000mm
Width/Endless (max.)	3,000mm
Length (max.)	100m
Total thickness	2.7mm
Weight	2.9 kg/m²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Antistatic
Wider widths are available
Slider bed
Roller bed

Properties

Minimum pulley diameter

Flexing	
Finger	35mm
Skiver	60mm
Back flexing	
Finger	35mm
Skiver	60mm
Knife edge	-

Tensile properties

Tensile strength	120N/mm
Elongation at break	20%
Maximum allowable tension	8.0N/mm
Maximum allowable elongation	1.0%

Dynamic properties

Standard elongation	0.5%
Tension after relaxation at 0.5%	2.0N/mm
Initial tension at 1.0%	8.0N/mm
Tension after relaxation at 1.0%	4.0N/mm
Operating temperature range	-5~70°C
Operating temperature range*	-5~70°C

*When under continuous use

Coefficient of friction

Top	vs. Steel	0.7~0.8
	vs. Paper	0.8~0.9
Bottom	vs. Steel	0.3~0.4
	vs. Lagged pulley	0.5~0.7
	vs. POM (resin)	0.3~0.5

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