NITTA

Technical Datasheet

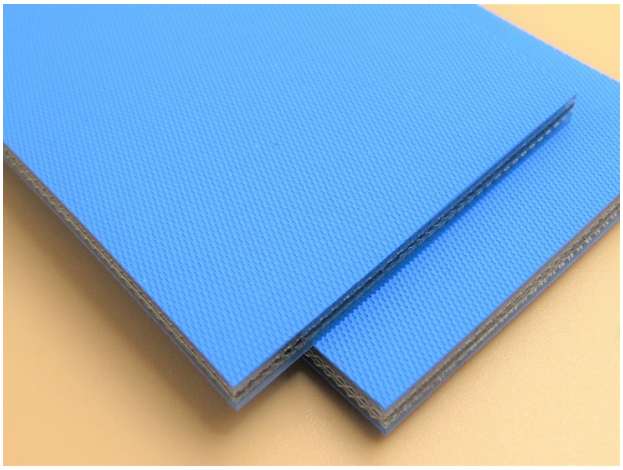
PolySprint ™ Power Transmission and Conveyor Belt

Belt type **XH-8E55** PS-031 Ver.6

Applications

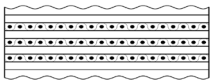
- Folder gluer
- Woodworking machine
- Medium duty conveyor

Construction



	Top side	Bottom side
	NBR	NBR
	Textured surface	Textured surface
	Blue	Blue

	Tension member	Splice
	Polyester	Finger
	Fabric	(10×70)

Construction 

Dimensions

Width/Roll (max.)	500mm
Width/Endless (max.)	100mm
Length (max.)	45m
Total thickness	5.5mm
Weight	6.5 Kg/m²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Antistatic
High lateral rigidity
Twist resistance
Roller bed
Easy splice with NITTA tool

Properties

Minimum pulley diameter

Flexing	
Finger	80mm
Back flexing	
Finger	80mm

Dynamic properties

Standard elongation	1.0%
Tension after relaxation at 1.0% *	8.0N/mm
Initial tension at 2.0%	18.0N/mm
Tension after relaxation at 2.0% *	12.0N/mm
Operating temperature range	-20~60℃

*After 200hrs running-in

Tensile properties

Tensile strength	150N/mm
Elongation at break	13%
Maximum allowable tension	18.0N/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	0.9~1.0
	vs. POM (resin)	0.7~0.9

※The contents of this Technical Data Sheet may be changed without notice.

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