NITTA

Technical Datasheet

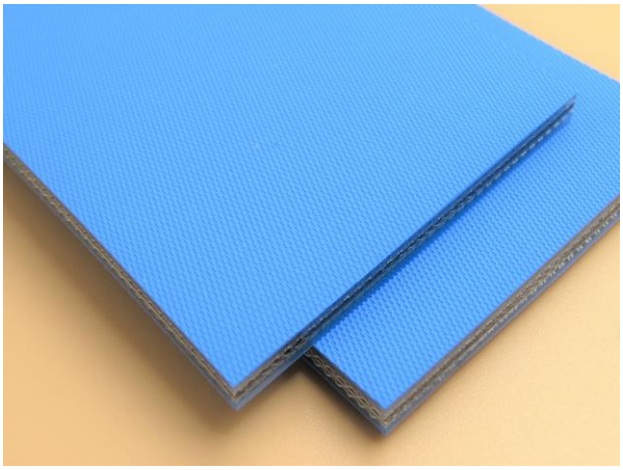
PolySprint ™ Power Transmission and Conveyor Belt

Belt type **XH-8E40** PS-029 ver.0

Applications

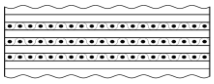
- Folder gluer
- Woodworking machine
- Medium duty conveyor

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.)	500mm
Length (max.)	45m
Total thickness	4.0mm
Weight	4.4 Kg/m²

◎Please contact Nitta if you need other dimensions.

Regulatory compliance

RoHS(2011/65/EC)
REACH regulation

Features

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

Properties

Minimum pulley diameter

Flexing	
Finger	50mm
Back flexing	
Finger	50mm

Dynamic properties

Standard elongation	1.0%
Tension after relaxation at 1.0% *	8N/mm
Initial tension at 2.0%	18N/mm
Tension after relaxation at 2.0% *	12N/mm
Operating temperature range	-20~60℃

*After 200hrs running-in

Tensile properties

Tensile strength	150N/mm
Elongation at break	13%
Maximum allowable tension	18N/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

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